



**CITY OF ORILLIA**  
**2021 WASTE MINIMIZATION PLAN**

**June 2021**  
**Environmental Services Division**  
**Environment and Infrastructure Services Department**

# TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION.....</b>	<b>1</b>
1.1	CONDITION 11.2 .....	1
1.2	PURPOSE OF THE PLAN .....	2
1.3	GOALS & OBJECTIVES .....	3
1.3.1	Statement of Goals.....	3
1.3.2	Statement of Objectives .....	3
<b>2.0</b>	<b>BACKGROUND.....</b>	<b>4</b>
2.1	PLAN AREA.....	4
2.2	HOUSEHOLD CHARACTERISTICS .....	4
2.3	HISTORY OF THE WASTE DIVERSION SITE .....	4
2.4	ESTIMATED LANDFILL LIFE .....	6
2.5	PLAN PERIOD & LONG-RANGE ISSUES .....	6
<b>3.0</b>	<b>WASTE DIVERSION OPPORTUNITIES .....</b>	<b>6</b>
3.1	CURRENT WASTE DIVERSION.....	7
3.1.1	Curbside Collection .....	7
3.1.2	Waste Diversion Site Depot Diversion.....	7
3.2	PUBLIC CONSULTATION & INPUT.....	8
3.2.1	Public Forum .....	9
3.2.2	Online Survey.....	9
3.3	RECOMMENDATIONS.....	10
<b>4.0</b>	<b>IMPLEMENTATION STRATEGY .....</b>	<b>12</b>
4.1	FINANCIAL, TECHNICAL & HUMAN RESOURCES NEEDED.....	12
4.1.1	Financial Resources .....	12
4.1.2	Technical & Human Resources .....	12
4.2	SCHEDULE OF WASTE MINIMIZATION INITIATIVES .....	15
4.3	ESTIMATED WASTE REDUCTION & DIVERSION .....	15
4.3.1	Waste Reduction & Reuse .....	15
4.3.2	Waste Recycled & Composted .....	16
4.3.3	2016 Waste Minimization Plan Targets .....	17
4.3.4	Time Frame for Diversion .....	18
4.4	MANAGEMENT OF PLAN .....	19
4.5	MONITORING PROGRESS .....	19
4.6	PROCEDURES FOR ASSESSING NEW OR UNFORESEEN WASTE DIVERSION OPPORTUNITIES .....	20
<b>5.0</b>	<b>SUMMARY.....</b>	<b>20</b>

## **LIST OF APPENDICES**

Appendix A – Status of 2016 Waste Minimization Plan Recommendations	
Appendix B – Existing Waste Management Programs	
Appendix C – Public Consultation	
Appendix D – Public Comments	

## **LIST OF TABLES**

Table 1: Current & Potential Curbside Diversion of Existing Recycling & Green Bin Programs .....	8
Table 2: Financial Resources Needed for the Implementation of the 2021 Waste Minimization Plan.....	13
Table 3: Schedule of Waste Minimization Priorities .....	15
Table 4: Estimated Annual Quantity of Waste Reduction & Reuse.....	16
Table 5: Estimated Annual Quantity of Waste Recycled & Composted .....	17
Table 6: Targets for 2021 Waste Minimization Plan.....	18
Table 7: Estimated Annual Quantity of Waste Diverted Over Next Five Years if Recommendations Fully Implemented.....	19

## **LIST OF FIGURES**

Figure 1: Regional Location Map .....	5
---------------------------------------	---

## **LIST OF ACRONYMS**

AMO – Association of Municipalities of Ontario
BBPP – Blue Box Program Plan
CIF – Continuous Improvement Fund
ECA – Environmental Compliance Approval
EPR – Extended Producer Responsibility
HDPE – High Density Polyethylene Plastic
HHW – Household Hazardous Waste
IC&I – Industrial, Commercial and Institutional
MECP – Ministry of the Environment, Conservation and Parks
MHSW – Municipal Hazardous or Special Waste
WEEE – Waste Electrical & Electronic Equipment
WMAC – Waste Management Advisory Committee
WDS – Waste Diversion Site

## 1.0 INTRODUCTION

This plan provides an ambitious program of waste minimization for Orillia over the next five years. It addresses Condition 11.2 of the Environmental Compliance Approval (ECA) No. 5204-B4RRK2 for the City of Orillia's Waste Diversion Site (landfill). This ECA was issued on October 9, 2018. Condition 11.2 requires the City to develop an updated five-year waste minimization plan by June 30, 2021 and every five years thereafter. Plans were developed in 2006, 2011 and 2016. This is the most recent plan starting from 2021.

### 1.1 Condition 11.2

Condition 11.2 reads as follows:

- “11.2 (1) By **June 30, 2021** and every five (5) years thereafter the *Owner* shall submit to the *District Manager* for review, an updated five (5) Year Waste Minimization plan that addresses the following:
- a) A statement of goals, to include that:
    - i. all waste received at the landfill will be sorted;
    - ii. no toxic substances will be landfilled;
    - iii. no reusable, recyclable or compostable materials will be landfilled.
  - b) A multi-dimensional, community-wide and sustained public education program which will promote the goals.
  - c) A phased plan with specific target objectives including:
    - i. sorting and separating at the source;
    - ii. reduction, reuse and recycling;
    - iii. household and municipal composting;
    - iv. a community resource centre; and
    - v. the strategic use of bans on materials such as cardboard.
- (2) As a component of the waste minimization plan, the *owner* shall prepare a strategy plan that shall discuss how the plan shall be implemented. Some of the details to be included in the plan shall include but not be limited to the following:
- a) all financial, technical and human resources necessary for the implementation of the plan;
  - b) the timetable when each component of the plan will become operational;
  - c) the amount of solid waste reduction and diversion (re-use, re-cycle and compost) which is projected for each component of the plan;
  - d) details of how the implementation of each component of the plan will be managed;
  - e) methods and frequency of monitoring the progress of implementation of each component of the plan; and
  - f) procedures for assessing new or unforeseen opportunities.

- (3) In preparing the strategy, the Owner will consider the recommendations of the Committee (*i.e., the Waste Management Advisory Committee*), and community members from the City.”

The following sections of this plan address Condition 11.2.

- 11.2 (1) a) Section 1.3.1  
b) Appendix B, Section B.7  
c) i. Appendix B, Section B.3  
ii. Goal #4 of Section 1.3.1  
iii. Appendix B, Sections B.3.3, B.4.5 and B.5.1  
iv. Appendix B, Section B.5.2  
v. Section 3.1.2
- (2) a) Section 4.1  
b) Section 4.2  
c) Section 4.3  
d) Section 4.4  
e) Section 4.5  
f) Section 4.6
- (3) Section 3.2; Appendices C and D

## 1.2 Purpose of the Plan

The overall purpose of this Waste Minimization Plan is to minimize waste disposal at the landfill and to initiate new and improved waste diversion programs. This plan also addresses Condition 11.2 of the landfill’s ECA. The plan follows the waste management hierarchy including waste reduction, reuse and recycling.

For over 31 years, the City has implemented new waste diversion and minimization programs. For the 2016 Waste Minimization Plan, the goal was to divert 70% of the City’s waste stream from landfill by the end of 2020. As of 2020, the City’s overall diversion rate stands at approximately 66%. This plan looks to continue to achieve a higher diversion rate of 75%.

Use of a diversion rate can be misleading, particularly if recoverable waste materials, like asphalt, begin to be managed outside of the City’s waste management system. For this reason, another focus of this plan was on the residential waste generation rate per capita (person). This rate provides a better measure of waste reduction. From 2015 to 2020, the waste per capita decreased from 213 kg per person to 173 kg per person – a drop of over 2%. This beat the City’s goal of 193 kg per person by the end of 2020 by almost 19%. A goal for this plan is to lower this waste per capita rate even further by 10% by the end of 2025.

## **1.3 Goals & Objectives**

A number of goals and objectives are presented below.

### **1.3.1 Statement of Goals**

1. All waste received at the landfill will be sorted;
2. No toxic substances will be landfilled;
3. No re-usable, recyclable or compostable materials will be landfilled;
4. Increase waste diversion and encourage waste reduction through the City's curbside collection programs and diversion depots at the Waste Diversion Site following the waste management hierarchy of waste reduction, reuse, and recycling; and
5. Endorse zero waste principles of shifting the cost of waste from taxpayers to producers and having waste producers take responsibility for their waste through Extended Producer Responsibility.

### **1.3.2 Statement of Objectives**

1. Reduce the waste generated per capita rate (2020 level) by 10% by the end of 2025.
2. Increase the overall waste diversion rate to 75% by the end of 2025 and maintain this.
3. Increase the curbside diversion rate to 75% by 2025.
4. Increase the overall capture rate of green bin organics from single family households and multi-family buildings to 85% by 2025.
5. Increase the overall capture rate for residential recycling box/cart materials collected to 90% by the end of 2025.
6. Throughout the life of this plan and beyond, endorse provincial and federal initiatives that shift the cost of waste from taxpayers to producers and have waste producers take responsibility for their waste through Extended Producer Responsibility and deposit return.

## **2.0 BACKGROUND**

This waste minimization plan addresses the management of municipal solid waste from the City of Orillia including residential and industrial, commercial and institutional (IC&I) non-hazardous waste. It is also concerned with household hazardous waste generated in Orillia and the Townships of Ramara, Severn and Oro-Medonte. Other types of wastes generated in the City are not considered including liquid industrial, hazardous wastes, hospital and pathological wastes, and radioactive wastes. These are handled by the private sector or are the responsibility of other levels of government. The plan also does not cover the City's treated sewage biosolids as they are land applied and are not landfilled.

### **2.1 Plan Area**

This plan covers the City of Orillia's Waste Diversion Site (landfill) service area. The City is located in south-central Ontario on the western shore of Lake Couchiching and the northern shore of Lake Simcoe. The Waste Diversion Site is located on Kitchener Street in Parts of lots 11 and 12, Concession 4, in the City of Orillia. The location of this site is shown on Figure 1.

### **2.2 Household Characteristics**

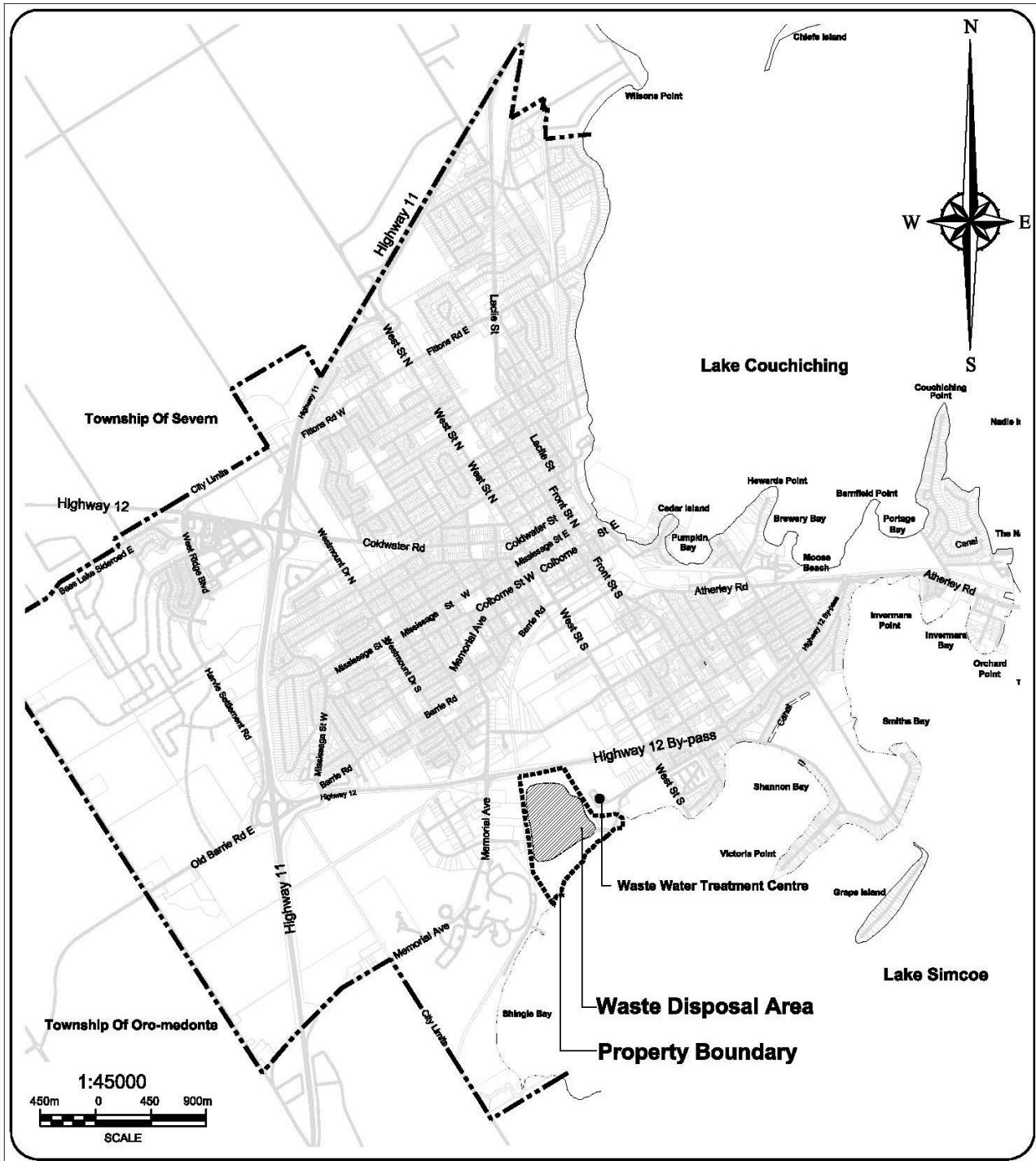
Orillia's population in 2020 was 33,367 as estimated by the City's Development Services Department. It is estimated that there are currently approximately 14,000 households in Orillia including 9,600 single family dwellings and 4,400 multi-family households (duplexes, apartments, etc.). It is also estimated that there are currently approximately 1,800 units in the Industrial, Commercial and Institutional (IC&I sector). The grand total of household and IC&I stops is approximately 15,800.

### **2.3 History of the Waste Diversion Site**

The Waste Diversion Site was established as the City's waste disposal facility in 1967. The ECA was issued on February 23, 1971. In 1982 the City of Orillia applied to amend the ECA to extend the landfill upwards and provide an estimated 15 to 20 years of additional waste disposal capacity after it was determined that less than five years of approved capacity remained. In February 1986, a public hearing before the Environment Assessment Board was held regarding the application for this upward extension. The Ministry issued a revised ECA in December 1986 allowing for the extension in capacity.

In June 1988, the Minister of the Environment closed waste disposal sites located in the former Townships of Orillia (now part of Severn Township) and Rama (now part of Ramara Township) and issued an Emergency ECA to the City of Orillia to accept their waste. The City was permitted to extend the service area of the Waste Diversion Site to include these former Townships until June 30, 1990. This ECA was renewed for a further six months until December 31, 1990. An Environmental Assessment Board Hearing was then held in September 1991 in response to an application for an

Figure 1: Regional Location Map



expanded service area to include the former Townships of Orillia and Rama. The ECA was issued on March 13, 1992 with 22 conditions based on the Board's findings. Conditions 17 and 18 of that C of A required the development and implementation of a five-year waste minimization plan. This requirement was carried over in 2005 when the ECA was amended and required the development of a five-year waste minimization plan every five years. When a new consolidated ECA was issued in 2018, the requirement for developing an updated five-year waste minimization plan was maintained. Appendix A contains a discussion of the most recent waste minimization plan developed in 2016.

## **2.4 Estimated Landfill Life**

A full site landfill volume survey was conducted at the Waste Diversion Site in May of 2019. Approximately 795,421 m<sup>3</sup> of fill (waste plus cover soil) was landfilled at the site between September 1985 and May of 2019. The volume of waste placed prior to 1985 is unknown, but is considered minor compared to the overall fill volume capacity at the landfill at final contours. The remaining fill capacity as of May 2019 is approximately 504,579 m<sup>3</sup>, which corresponds to a remaining site life of approximately 46 years (assuming an average future filling rate of 11,000 m<sup>3</sup> per year). This fill rate is based on the average annual fill rate measured between 2010 and 2019 based on site surveys undertaken in those years. Using the current average fill rate provides an adequate estimate of landfill life. Major variables that are unknown (e.g., U.S. border closing to Canadian waste shipments, increased waste diversion, increased/decreased future service area, etc.) make precise calculations of landfill life inappropriate. From 2020, the estimated landfill life is 45 years.

## **2.5 Plan Period & Long-Range Issues**

This plan is for a five-year period as per the ECA. Some longer ranges issues outside of the scope of this plan like managing residual waste through mixed waste processing, energy from waste or other options will be addressed as needed.

## **3.0 WASTE DIVERSION OPPORTUNITIES**

The focus of this section is to address ways the City can minimize waste generated and maximize waste diversion in Orillia. Two ways which work towards meeting the goals include:

1. Maximizing the use of existing waste minimization and diversion programs, and
2. Introducing new waste minimization and diversion programs and policies.

As of 2020, the City currently generates approximately 5,800 tonnes of waste per year – 3,800 tonnes of which is collected at the curb and the remainder dropped off directly at the Waste Diversion Site. The City diverts approximately 10,500 tonnes per year. In total then, the City handles about 16,300 tonnes of waste each

year. To achieve a 75% diversion rate, approximately 1,600 tonnes of material would need to move from the garbage stream to the diversion stream.

### **3.1 Current Waste Diversion**

The City operates two types of diversion programs including curbside collection of recyclables and green bin/yard waste, and diversion depots set up at the Waste Diversion Site (e.g., Household Hazardous Waste Depot, brush, tires, gypsum drywall, etc.). Appendix B provides a detailed discussion of the City's existing waste minimization and diversion programs.

#### **3.1.1 Curbside Collection**

A detailed waste composition study undertaken in 2019 and 2020 found that almost 38% of the garbage put out for collection by residents could be diverted through utilizing the City's recycling and green bin/yard waste collection programs (see Appendix B for more details). The vast majority of this material (i.e., 24%) is compostable kitchen organics that could be collected in the green bin program, and it is this material that continues to represent the largest potential source for diversion in Orillia. Table 1 provides an indication of current and potential diversion through the collection program with the targeted increases in the capture rates. If the targeted capture rates are achieved, the City could divert over 600 tonnes more from landfill from curbside collection alone. This would go a long way in meeting a 75% diversion rate.

#### **3.1.2 Waste Diversion Site Depot Diversion**

The City currently operates 15 diversion depots at the Waste Diversion Site (see Appendix B for a full listing and discussion of these depots). The depots allow site users to divert many materials from landfill, and they provide for an appreciable amount of diversion. Site users are further encouraged to use these depots through lower tipping fees for most recyclable items. Furthermore, mixed loads containing more than 10% divertible material are charged double the base tipping fee if the customer does not separate this material on site (a de-facto ban on divertible materials). New depots are set up when viable and long-term markets are found.

The 2019/2020 Waste Composition Study found that approximately 1.2% of the garbage set out curbside could be diverted using the diversion depots for scrap metal and Household Hazardous Waste (HHW). It should be noted that HHW only makes up a very small portion of this – 0.1%. If all these materials going in the curbside garbage were fully diverted using the Waste Diversion Site's depots, this would divert approximately an additional 45 tonnes of material from landfill coming in from the curbside collection program.

**Table 1: Current & Potential Curbside Diversion of Existing Recycling & Green Bin Programs**

<b>Material</b>	<b>Current Estimated Capture Rate*</b>	<b>2020 Estimated Quantities (tonnes/yr)**</b>	<b>Target Capture Rate</b>	<b>Quantities if Targets Met (tonnes/yr)</b>	<b>Potential Increase (tonnes/yr)*</b>
Fibres (mixed paper, boxboard, cardboard, cartons, cups)	89.9%	2,180	90%	2,182	2
Plastics (containers, film, styrofoam, tubs & lids, trays)	70.3%	516	90%	661	145
Metals (aluminum, steel, foil)	85.7%	165	90%	173	8
Glass (clear and coloured)	96%	164	100%	171	7
<b>Total Recycling</b>	<b>86.2%</b>	<b>3,025</b>	<b>90%</b>	<b>3,187</b>	<b>162</b>
Green Bin Organics	70.7%	1,224***	85%	1,472	248
Soiled Tissue (Green Bin)	39.6%	Included with Green Bin	85%	Included with Green Bin	Included with Green Bin
Yard Waste	87.7%	2,308	95%	2,500	192
<b>Total Organics</b>	<b>68.1%</b>	<b>3,532</b>		<b>3,972</b>	<b>440</b>
<b>Total Diversion</b>	<b>-</b>	<b>6,557</b>	<b>-</b>	<b>7,159</b>	<b>602</b>
<b>Garbage</b>	<b>-</b>	<b>3,794</b>	<b>-</b>	<b>3,192</b>	<b>-</b>

\*Based on 2019/2020 Waste Composition Study unless otherwise noted.

\*\*Recycling amounts exclude residue. Proportions are based on regular recycling audits.

\*\*\* Based on the average monthly quantity collected in January and February from 2017-2020 when no yard waste is placed out

Full participation in the City's diversion programs would be difficult to achieve. Typically, it is assumed that there is at least 5% of the population that just will not participate. Furthermore, those that are participating may not be recycling or composting everything they can or participating 100% of the time. This makes achieving 100% capture rates extremely difficult. The challenges are to maximize participation in the City's existing diversion programs, help ensure that those that are participating are recycling everything they can, and to find new methods to divert other wastes currently being landfilled. Public input was solicited to determine how the City can meet these challenges.

### **3.2 Public Consultation & Input**

In order to assess how to improve the public's participation in the City's existing waste diversion programs and to examine what other waste diversion opportunities exist, the City's Waste Management Advisory Committee (WMAC) solicited public input through hosting a virtual public forum with staff and conducting an online survey. Public input was obtained through the following:

1. Public Forum (virtual due to the COVID-19 pandemic)
2. Online Survey
3. Request for written comments

### **3.2.1 Public Forum**

The virtual public forum was hosted by WMAC and staff on May 5, 2021. Notices about the forum and the online survey ran on April 22 and 29, 2021 in the local newspaper (Orillia Today) through the City's Bulletin Board. A media release was issued on April 21, 2021 about the forum and online survey. News stories ran in Orillia Matters (an online newspaper dedicated to Orillia news) and 89.1 MAX FM (the local Orillia radio station).

Registrations for the forum were received from 13 participants plus 9 members of WMAC. Overall, there were a total of 15 attendees at the public forum including two City employees, seven citizen members of WMAC (including a Councillor and Peter Gumbrell who moderated the forum) and six members of the public. At the forums, City staff gave presentations on the City's existing waste diversion programs to provide attendees with the necessary background so they could provide informed comments.

Appendix C contains the notices run to promote the forum, the media release, the media stories written on the plan and the forum, notices sent to Orillia committees, the staff presentation provided at the forum and a blank version of the online survey.

### **3.2.2 Online Survey**

An online survey was made available between April 21 and May 12, 2021. In total, 130 survey submissions were received. Written comments were also received from eight residents – two of which were members of Sustainable Orillia and were providing comments on their behalf. All comments are included in Appendix D.

Comments were assessed based on the potential to increase diversion. Some comments were already acted upon recently so were not included in this plan's recommendations.

### 3.3 Recommendations

All recommendations received from the public were evaluated based on their potential to increase waste diversion or minimize waste generated. Recommendations considered to achieve these objectives are included in this section and include staff recommendations.

The recommendations are divided into two categories including those that are being implemented now (i.e., Recommendations 1 and 2) and those that will be considered by Council in the future when staff and/or WMAC bring them forward for consideration (i.e., Recommendations 3 to 15). This second group needs further evaluation, budget approval, regulatory approval and/or staff time. They will all be pursued during the life of the plan. It is noted that Recommendations 3, 4 and 5d, 5e and 5f are carryovers from the 2016 Waste Minimization Plan.

Recommendations 1 and 2 are:

1. Promote waste reduction programs including, but not limited to:
  - a) The City's new clear garbage bag program.
  - b) Lending libraries, such as the Orillia Tool Library.
  - c) Tips for reducing and reusing items.
  - d) Compostable packaging including fast food packaging.
  - e) Methods to minimize odour and insect issues with the green bin program.
  - f) Cleaning recyclables.
  - g) Be more specific about what items are acceptable in the green bin and recycling box programs (i.e., items not commonly thought of going in these programs). As part of this promote what is considered garbage.
  - h) Cosmetics disposal.
  - i) Promote differences between the City's and County of Simcoe's diversion programs.
  - j) Preparing promotional videos showing the process from pick-up to where it ends up.
  - k) News story on how the City has expanded diversion programs (and reduced garbage tags) over the years and congratulate the public on this.
  - l) Plastic bags recycling.
  - m) Also consider:
    - i. Creating a social media account for posting waste reduction tips, which could include a weekly or monthly reminder.
    - ii. Preparing a fridge magnet.
2. Monitor and report on the effectiveness in meeting the targets of this plan on an annual basis. This should be reported on in the City's Solid Waste Management Annual Report, and should include a review of the upcoming year's activities.

Recommendations 3 to 15 are recommended for consideration by Council when brought forth in the future by staff and/or WMAC:

3. Ensure City facilities are leading by example when it comes to waste diversion and waste minimization. Develop a staff training program and incentive programs to further reduce waste and increase participation.
4. Consider an incentive program to encourage waste diversion including but not limited to:
  - a) Providing free compost.
  - b) Incentives for reusable diapers and feminine hygiene products (e.g., Diva Cup).
  - c) Special stickers or recycling boxes for residents demonstrating great diversion participation.
  - d) City incentives for residents demonstrating great diversion participation, such as Opera House Shows and bus passes.
5. Explore new diversion programs for:
  - a) Pet waste
  - b) Disposable diapers
  - c) Textiles
  - d) Non-accepted plastics in the recycling box (Recycling Code #3 and plastics with no code).
  - e) Plastic cup lids
  - f) Window glass and porcelain/ceramics
  - g) Private paper documents (paper shredding and recycling).
  - h) Sofas
  - i) Baby/Child Car Seats
6. Consider new areas to sell green bins, kitchen containers and recycling boxes in more City locations.
7. Assess user pay curbside collection programs for
  - a) Large item collection
  - b) Household hazardous waste collection
  - c) Waste electronics collection
8. Consider the size and type of recycling box used in the recycling box program. As part of this, consider boxes with lids.
9. Consider a full user pay program for garbage.
10. Consider placing pet waste collection bins at City parks and trails.
11. Assess improvements for public area recycling at City parks (e.g., improved signage).

12. Examine the Ontario Building Code for new apartments to see how new buildings can be constructed to encourage recycling and composting. As part of this, assess language that landlords could include in their lease agreements to enforce recycling (e.g., surcharge).
13. Examine improvements to Waste Diversion Site depots including access, signage and depot bases (e.g., gravel and/or recycled asphalt).
14. Consider longer Saturday Waste Diversion Site hours.
15. Consider expanding the Reuse Depot at the Waste Diversion Site.

## **4.0 IMPLEMENTATION STRATEGY**

This section outlines how the City will work to address and monitor the addressing/implementation of the recommendations of this waste minimization plan.

### **4.1 Financial, Technical & Human Resources Needed**

The City will implement the plan and address the recommendations with the assistance of WMAC.

#### **4.1.1 Financial Resources**

Cost and revenue estimates are provided for recommendations that require financing over and above the City's existing operating budget for staffing, capital and program support. For example, items that just require staff time to implement were not considered to have additional costs since these are a regular function of staff anyway. Table 2 lists the estimated additional costs and/or revenues for implementing all the recommendations of this waste minimization plan. A number of recommendations have unknown costs and/or revenue.

When not including unknown costs and revenues and assuming the recommendations where these are known are fully implemented, the total estimated additional annual operating cost is approximately \$79,000 per year, the total estimated capital cost is approximately \$77,000 and the total estimated additional annual revenue or savings is approximately \$426,000 per year.

#### **4.1.2 Technical & Human Resources**

Implementation of the recommendations put forth in this waste minimization plan is subject to the availability of funding and staff resources. Human and technical resources needed to implement the plan include existing city staff, volunteers of the Waste Management Advisory Committee, temporary assistants, and consultants for conducting detailed waste composition studies.

**Table 2: Financial Resources Needed for the Implementation of the 2021 Waste Minimization Plan.**

Recommendation	Estimated Additional Annual Revenue or Savings	Estimated Additional Annual Operating Cost	Estimated Capital Cost	Comments
1. Promotion & Education	\$0	\$2,000	\$0	Provision of fridge magnets at City locations.
2. Monitor performance through annual reports	\$0	\$0	\$0	Staff time.
3. City facilities leading by example	\$0	\$1,000	\$0	Generally, two new sorting stations needed per year.
4. Consider an incentive program	\$0	Unknown	Unknown	Until incentive program is examined in more detail, estimated costs cannot be provided.
5. Explore new diversion programs	\$0	Unknown	Unknown	Costs depend on what is set up and the market price for recycling the diverted items. Costs can be expected to be in the tens of thousands of dollars.
6. New City locations to distribute bins	\$1,000	\$1,000	\$0	Increasing the availability of recycling boxes and green bins for sale will increase sales as well as the costs to purchase additional boxes and bins.
7. Assess user pay collection for large and special items	\$15,000	\$25,000	\$0	Estimated costs and revenue based on 2018 assessment of a user pay large item collection program.
8. Consider the size and type of recycling box	\$0	Unknown	\$0	Costs for larger bins would result in additional costs, but this is difficult to predict.
9. Full User Pay	\$410,000	\$0	\$0	Rough estimate provided and includes \$400,000 per year in additional revenue for tags sales and a savings of approximately \$10,000 per year in tag mailing costs.
10. Consider placing pet waste collection bins at City parks	\$0	\$18,000	\$17,000	The costs depend on the number of units installed. Cost information is based on 2020 pricing from SUTERA Canada Inc. Costs assume at least 12 units set up and that collection occurs every seven weeks.
11. Assess improvements to Parks recycling	\$0	Unknown	Unknown	Cost factors depend on if new recycling receptacles are needed. Improved signage costs could be in the neighbourhood of \$1,000 to \$2,000.
12. Examine building code at apartments to improve diversion	\$0	\$0	\$0	Assessment of this recommendation will allow staff to better understand building code requirements with respect to new apartments. Staff will then provide this feedback when new apartments or condominiums are proposed for construction.
13. Examine improvements to Waste Diversion Site Depot access	Unknown	\$2,000	\$50,000	Rough estimate provided assuming depot pads are upgraded, and new diversion areas are constructed.

City of Orillia – 2021 Waste Minimization Plan

**Table 2 continued...**

<b>Recommendation</b>	<b>Estimated Additional Annual Revenue or Savings</b>	<b>Estimated Additional Annual Operating Cost</b>	<b>Estimated Capital Cost</b>	<b>Comments</b>
14. Consider longer Waste Diversion Site hours	Unknown	\$30,000	Unknown	The additional operating costs relate to increased staffing costs only. There would also be increased operational costs related to running equipment, power usage, fuel consumption, etc.
15. Expand Reuse Depot	\$0	Unknown	\$10,000	Costs are unknown until staff assess building accommodations. For simplicity, the cost for an additional modified sea container is included here.
<b>Total (Excluding Unknowns)</b>	<b>\$426,000</b>	<b>\$79,000</b>	<b>\$77,000</b>	

## 4.2 Schedule of Waste Minimization Initiatives

The schedule for addressing the recommendations in this plan is broken into three categories including: First Priority (6 months to a 1 year), Second Priority (1 to 3 years) and Third Priority (4 to 5 years) – see Table 3.

**Table 3: Schedule of Waste Minimization Priorities**

Timeframe	Recommendation
First Priority (6 months to 1 year)	<ol style="list-style-type: none"> <li>1. Promotion &amp; Education</li> <li>2. Monitor performance through annual reports</li> <li>3. City facilities lead by example</li> </ol>
Second Priority (1 to 3 years)	<ol style="list-style-type: none"> <li>4. Consider an incentive program</li> <li>5. Explore new diversion programs</li> <li>6. New City locations to distribute bins</li> <li>8. Consider the size and type of recycling box</li> <li>9. Full User Pay</li> <li>10. Consider placing pet waste collection bins at City parks</li> <li>11. Assess improvements to Parks recycling</li> <li>12. Examine building code at apartments to improve diversion</li> <li>13. Examine improvements to Waste Diversion Site Depot access</li> <li>15. Expand Reuse Depot</li> </ol>
Third Priority (4 to 5 years)	<ol style="list-style-type: none"> <li>7. Assess user pay collection for large and special items</li> <li>14. Consider longer Waste Diversion Site hours</li> </ol>

Note: Refer to Section 3.3 for the full wording of recommendations

The implementation of the recommended waste minimization activities is contingent on the availability of funding, staff time and volunteer time.

## 4.3 Estimated Waste Reduction & Diversion

Estimating the amount of waste reduction and diversion depends largely in part on public participation and the effectiveness of promotion and education efforts. The estimated annual amount of waste reduced and/or reused is very difficult to estimate since the City would not handle this material directly. The focus of this section is therefore on the estimated diversion quantities from the Waste Diversion Site.

### 4.3.1 Waste Reduction & Reuse

Waste reduction implies the avoidance or prevention of waste in order to reduce or eliminate the need for waste collection and disposal. The primary pathway to encourage waste reduction is through providing incentives, like providing subsidized backyard composters, to disincentives to excess waste generation like having financial penalties in place to put out extra garbage (e.g. the City’s garbage tag program). Waste reuse implies that individuals or organizations choose products that can be used again, either directly or after some reprocessing, rather

than selecting a product that is disposable after its primary use. As with reduction, the amount of waste reused is difficult to estimate since the City would not handle most of this material. Table 4 provides the estimated annual quantity of waste reduced or reused – where known – with the recommendations put forth in this plan by the end of 2020.

**Table 4: Estimated Annual Quantity of Waste Reduction & Reuse**

<b>Recommendation</b>	<b>Estimated Annual Quantity (tonnes)</b>	<b>Comment</b>
1. Promotion & Education	Unknown	Difficult to estimate.
4. Consider an incentive program	Unknown	Difficult to estimate.
15. Expand Reuse Depot	5 tonnes	Assumes depot expanded to handle large items like sofas.
<b>Total</b>	<b>5 tonnes</b>	

#### **4.3.2 Waste Recycled & Composted**

Waste recycled and composted includes items diverted through the curbside recycling box/cart and green bin/yard waste collection programs and through the City’s numerous diversion depots at the Waste Diversion Site. Table 5 provides the estimated annual quantity of waste recycled and composted with the recommendations put forth in this plan by the end of 2025.

**Table 5: Estimated Annual Quantity of Waste Recycled & Composted**

<b>Recommendation</b>	<b>Estimated Annual Quantity (tonnes)</b>	<b>Comment</b>
1. Promotion & Education	Unknown	Difficult to estimate.
2. Monitor performance through annual reports	0 tonne	This planning document helps determine when recommendations can be implemented.
5. Explore new diversion programs	600 tonnes	This assumes diapers, pet waste and textiles, which represent approximately 30% of the curbside waste stream are diverted with a 50% capture rate plus minor diversion for other items listed
6. New City locations to distribute bins	Unknown	Difficult to estimate.
7. Assess user pay collection for large and special items	Unknown	Many, but not all, of the items picked up through a potential service would likely have been dropped at the Waste Diversion Site where they would have been separated.
8. Consider the size and type of recycling box	Unknown	Difficult to estimate. Some residents would prefer to use larger boxes so this may save some recyclable material from ending up in the waste stream.
9. Full User Pay	600 tonnes	Estimated tonnage based on Table 1 of this plan.
10. Consider placing pet waste collection bins at City parks	10 tonnes	Assumes 12 units in place and collected every 7 weeks.
11. Assess improvements to Parks recycling	Unknown	Difficult to estimate.
12. Examine building code at apartments to improve diversion	Unknown	Difficult to estimate.
13. Examine improvements to Waste Diversion Site Depot access	Unknown	The purpose of this program would be to make drop off of existing materials easier. If customer usage increases because of this, diversion would increase.
14. Consider longer Waste Diversion Site hours	Unknown	Difficult to estimate.
<b>Total</b>	<b>1,210 tonnes</b>	

### 4.3.3 2016 Waste Minimization Plan Targets

Table 6 sets out the targets for waste diversion and reduction as well as increased capture rates for recycling and green bin organics. It should be recognized that it is easier to reach a higher capture rate from an existing low capture rate, such as for green bin organics, than it is to reach a higher capture rate from a relatively

high existing capture rate, such as for recycling. The target rates are higher in 2022 to reflect the implementation of every other week garbage collection.

**Table 6: Targets for 2021 Waste Minimization Plan**

Year	Waste Generated Per Capita (kg/person/yr)	Curbside Diversion Rate	Overall Diversion Rate	Target Capture Rate		
				Recycling Box Materials	Green Bin Organics	Yard Waste
Baseline (2020)	173	64%	66%	86%	71%	88%
2021	170	65%	66%	87%	73%	89%
2022	165	68%	69%	88%	78%	92%
2023	165	70%	71%	88%	81%	93%
2024	160	73%	73%	89%	83%	94%
2025	156	75%	75%	90%	85%	95%

#### 4.3.4 Time Frame for Diversion

Assuming that the recommendations of this plan are fully implemented, the total overall estimated amount of waste reduced and diverted is 1,215 tonnes per year of the recommendations where rough tonnages can be estimated. Assuming a similar decrease in garbage generated, the per capita rate would decrease well below the target reduction rate of 156 kg per person by the end of 2025.

In order to reach a 75% curbside diversion rate, the City will need to divert approximately 1,200 tonnes per year of additional material from the curbside collection program. This can be achieved if the recommendations of this plan are implemented. It is expected increased diversion will continue to be observed in 2022 onwards with the implementation of a clear garbage bag program in 2022.

Further to Table B-4 in Appendix B, in order for the City to reach an overall diversion rate of 75% at the Waste Diversion Site, the City will need to divert approximately 1,600 tonnes of additional materials from landfill. This goal could likely be achieved by fully implementing the recommendations of this plan.

Table 7 lists the expected diversion over the life of this waste minimization plan.

**Table 7: Estimated Annual Quantity of Waste Diverted Over Next Five Years if Recommendations Fully Implemented.**

<b>Timeframe</b>	<b>Recommendation</b>	<b>Estimated Annual Quantity Diverted</b>
First Priority (6 months to 1 year)	1. Promotion & Education 2. Monitor performance through annual reports 3. City facilities lead by example	Unknown Unknown Unknown
<b>Sub Total</b>		<b>Unknown</b>
Second Priority (1 to 3 years)	4. Consider an incentive program 5. Explore new diversion programs 6. New City locations to distribute bins 8. Consider the size and type of recycling box 9. Full User Pay 10. Consider placing pet waste collection bins at City parks 11. Assess improvements to Parks recycling 12. Examine building code at apartments to improve diversion 13. Examine improvements to Waste Diversion Site Depot access 15. Expand Reuse Depot	Unknown 600 tonnes Unknown Unknown 600 tonnes 10 tonnes Unknown Unknown Unknown 5 tonnes
<b>Sub Total</b>		<b>1,215 tonnes</b>
Third Priority (4 to 5 years)	7. Assess user pay collection for large and special items 14. Consider longer Waste Diversion Site hours	Unknown Unknown
<b>Sub Total</b>		<b>Unknown</b>
<b>Total</b>		<b>1,215 tonnes</b>

#### 4.4 Management of Plan

The 2021 Waste Minimization Plan will be managed by the Environmental Services Division (Solid Waste Management Group) of the City’s Environment and Infrastructure Services Department. WMAC will also act on implementing a number of the recommendations in full or in part.

#### 4.5 Monitoring Progress

Progress on implementing each component of the 2021 Waste Minimization Plan will be reported on annually in the City’s Solid Waste Management Operations Annual Reports between 2021 and 2025, which are reported to Council and made available for the public on the City website. Targets laid out in Table 6, excluding capture rates, will be compared to the collected quantities measured for each year this plan is in effect in the City’s Solid Waste Management Operations Annual Reports. Pending funding or staff availability, waste composition studies will be conducted in 2024 or afterwards and will be used to assess the targeted capture rates listed in Table 6. The results of this monitoring will be used to identify and analyze the factors that influence the ability to meet the plan’s established targets as well as the objectives of this plan.

## **4.6 Procedures for Assessing New or Unforeseen Waste Diversion Opportunities**

The City looks for new waste diversion opportunities on an ongoing basis. City employees attend conferences and workshops to learn about new waste diversion and minimization programs as well as how to promote these programs to the public. These functions also allow staff to interact with colleagues to learn about what other jurisdictions are doing. WMAC also researches new programs on an ongoing basis and advises the City on ones it believes are worth pursuing.

New waste diversion programs identified are evaluated based on available funding, diversion potential, stability of the final market, staff time to administer the program, promotion needed, etc. For programs that require ongoing funding, staff requests supplementary operating budget. For large one-time projects, staff requests capital funding. This funding is assessed and potentially approved by Council. The City continues to strive to minimize waste generated and maximize waste diverted at the Waste Diversion Site.

## **5.0 SUMMARY**

This plan provides an ambitious program of waste minimization for the City of Orillia and addresses Condition 11.2 of the Environmental Compliance Approval for the operation of the City's Waste Diversion Site (landfill). 15 recommendations are presented in this plan that work towards and/or meet the goals and objectives set forth.

When not including unknown costs and revenues and assuming the recommendations where these are known are fully implemented, the total estimated additional annual operating cost is approximately \$79,000 per year, the total estimated capital cost is approximately \$77,000 and the total estimated additional annual revenue or savings is approximately \$426,000 per year.

When not including unknown diversion quantities, the total estimated amount of waste diverted is approximately 1,215 tonnes per year. Assuming a similar decrease in garbage generated, the per capita rate would decrease well below the target reduction of 156 kg per person by the end of 2025.

In order to reach a 75% curbside diversion rate, the City will need to divert approximately 1,200 tonnes per year of additional material from the curbside collection program. This can be achieved if the recommendations of this plan are implemented. It is expected increased diversion will continue to be observed in 2022 onwards with the implementation of a clear garbage bag program in 2022. In order for the City to reach an overall diversion rate of 75% at the Waste Diversion Site, the City will need to divert approximately 1,600 tonnes of additional materials from landfill. This goal could likely be achieved by fully implementing the recommendations of this plan.

The City will continue to strive to reduce the amount of waste landfilled at the Waste Diversion Site.

## APPENDIX A

### STATUS OF 2016 WASTE MINIMIZATION PLAN RECOMMENDATIONS

In 2016, the City – in consultation with the Waste Management Advisory Committee (WMAC) – developed a five-year waste minimization plan and implementation strategy in response to Condition 28 of the Waste Diversion Site’s former Environmental Compliance Approval No. A250601. This condition required the City to develop a five-year waste minimization plan and implementation strategy every five years. It also outlined elements which were to be included in the plan. The purpose of the 2016 plan was to identify methods to further maximize waste diversion from landfill through the 3Rs (reduce, reuse, and recycle) programs in Orillia. Public input was solicited by the City and WMAC in developing the plan. Twenty-two recommendations were presented in the report. The 2016 Plan was submitted to the Ministry of the Environment (and Climate Change) in June of 2016.

Note that recommendations 1 to 3 were recommended for immediate implementation while recommendations 4 to 22 were recommended for consideration by Council when brought forth in the future by staff and/or WMAC. The following discussion outlines how these recommendations were addressed. Recommendations are bolded for ease of review.

The last page of this appendix includes the overall performance results for the 2016 plan.

**1. Promotion and education of waste reduction programs including, but not limited to:**

**a) Any new waste diversion programs approved from this plan or otherwise.**

Status: As part of the 2017 budget process, Council approved a change to the yard waste collection policy whereby clear plastic bags were no longer permitted as of July 2017, and in place of this, residents can use paper or certificated compostable yard waste bags or labelled containers. This new policy was vigorously promoted in 2017. A one-time bulky item collection event was vigorously promoted in 2018, particularly with respect to what could be diverted. A new clear garbage bag program will be vigorously promoted in 2021.

**b) Instructional videos promoting the City’s waste reduction initiatives and diversion programs.**

Status: On January 19, 2017, a front page banner was placed in the former Packet and Times free Thursday newspaper promoting a new instructional video that was developed on the City’s recycling, green bin and garbage tag programs. A new instructional video on composting was prepared in 2019 and was posted on the City’s website.

**c) Clothing donation options.**

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

Status: In 2018, 2019 and 2020, front page banners were placed in the Orillia Today newspaper promoting clothing donation options. This information is also posted on the City's recycling tips website at: [Orillia.ca/recyclingtips](http://Orillia.ca/recyclingtips).

### **d) Cloth Diapers (focusing on daycares, nursing homes, and the hospital).**

Status: A front page ad was run in Orillia Today in 2018 and 2020 on home-based solutions for reducing diaper waste. There is currently no recycling program in place for disposable diapers.

### **e) Plastics that are recyclable.**

Status: Through the provincial Blue Box Program Plan administered by the RPRA, the City receives free newspaper advertising in the Orillia Today to promote the City's recycling collection program. In 2018 and 2020, ads were run focusing on what plastics can be recycled, and why certain plastics are not accepted in the recycling program.

### **f) Waste prevention and avoidance.**

Status: A waste avoidance ad was prepared in 2020 and this ad was run several times in Orillia Today.

### **g) Bathroom packaging recycling.**

Status: Bathroom recycling ads were run in the City Bulletin Board in May and July of 2018 and as a front page banner in Orillia Today in October 2018.

### **h) Returning LCBO wine and liquor containers to the Beer Store.**

Status: Ads were run in February 2017 and February 2018 promoting the LCBO/Beer Store deposit–return program.

### **i) Community success stories, such as families that have significantly reduced waste.**

Status: WMAC ran a contest in 2018 on ways people have reduced their waste. Unfortunately, no submissions were received.

### **j) Encourage backyard composting highlighting the benefits of revitalizing soils and reducing City costs.**

Status: WMAC developed and printed a new flyer on backyard composting in 2017. The flyer is available at City Hall, the Waste Diversion Site, the Wastewater Treatment Centre and on the City's website.

### **k) Discourage the purchase of bottled water and encourage using tap water.**

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

Status: An ad was run in the Bulletin Board in May of 2018 on the benefits of using tap water. This ad was also posted on the [Orillia.ca/recyclingtips](https://www.orillia.ca/recyclingtips) webpage.

### **2. Continue to seek outside funding to assist with the implementation of this waste minimization plan.**

Status: There were three provincial waste diversion programs that the City participated in in 2020 including those for Blue Box recyclables, Municipal Hazardous or Special Waste (MHSW), and waste electrical and electronic equipment (WEEE). Each program provided the City with funding and/or results in avoided costs. The used tires and WEEE programs transitioned to full stewardship control and the City still participates in way of getting its used tires and WEEE picked up at no charge and some collection incentive revenue for collecting the WEEE.

In 2019, the City received approval to participate in the Continuous Improvement Fund's and Stewardship Ontario's 2019 waste composition studies. This work helped evaluate the City's waste diversion performance, particularly with respect to the impacts of every other week garbage collection. The study is included as Schedule E of this report.

### **3. Monitor and report on the effectiveness in meeting the targets of this plan on an annual basis. This should be reported on in the City's Solid Waste Management Annual Report, and should include a review of the upcoming year's activities.**

Status: The Solid Waste Management Operations Annual Report provides an update on how the targets of the 2016 Waste Minimization Plan are being met. This appendix provides the status of these recommendations.

### **4. Assess the implementation of a clear garbage bag program with the option of small privacy bags to further encourage diversion. As a component of this, assess lowering the allowable percentage of recycling and compostable materials allowed in the garbage stream through the current source separation by-law.**

Status: In February 2021, Council approved a clear garbage bag program for Orillia that will begin on February 7, 2022. Clear garbage bag programs discourage residents from setting out recycling and compostable materials in their garbage as it makes it more apparent who is participating in diversion programs and who is not. The program is intended to increase participation from households that do not presently recycle and/or compost material by raising them to the standard of those who already participate. As part of this program, residents can use up to two small privacy bags like a regular-sized shopping bag, and will still be able to set out garbage loose in a rigid container. If the rigid container is lined, it needs to be lined with a clear plastic bag. The long lead time provides residents with time to use up their opaque garbage bags and allow time for retailers to stock their shelves with more clear plastic bags.

As part of this program change, the allowable volume/weight limit of recyclable/compostable materials in the garbage bag will decrease from 30% to 10% meaning anyone setting out garbage containing more than 10% recyclable and compostable material could

have their garbage left behind. There is no fine for this. The program will be vigorously promoted in 2021.

**5. Re-evaluate the garbage tag program and assess a full user pay system.**

Status: As part of the 2017 budget process, Council approved a reduction in the number of garbage tags issued to residents from 25 to 20 per year with the aim of maintaining historical tag revenue levels to help fund the City's waste disposal program. Full user pay was assessed in 2020, but with the COVID-19 pandemic, no changes were proposed. An increased focus is placed on individual user-based fees that are necessary to offset operating costs associated with tax increases.

**6. Ensure City facilities are leading by example when it comes to waste diversion and waste minimization. Assess the following:**

**a) A policy for eliminating disposable products (plates, cutlery, etc.) purchased for City functions.**

Status: A guideline was developed in 2017 and was meant to promote the City leading by example through minimizing waste materials generated at City staff and Council events, which would otherwise be buried in the City's landfill. The guideline includes the following suggestions:

- Paper plates, paper cups and cutlery purchased should be certified compostable (certified through BPI/ASTM D6400-04 and/or BNQ 9011-911/2007, as amended). Paper plates, paper cups and cutlery used at these events can all be placed in the green bin for composting at the City's Waste Diversion Site.
- Styrofoam or plastic cups, plates or cutlery are discouraged.
- Paper napkins of any type are considered compostable and are acceptable in the green bin program.
- Reusable plates, cups and cutlery are preferred, when warranted.
- Vendors supplying the City with cups, plates or cutlery should be asked to follow this guideline.

In addition to leading by example, the benefit of this guideline is that it makes sorting as easy as possible for event organizers and attendees, as everything goes into the green bin.

**b) Develop a staff training program and incentive programs to further reduce waste and increase participation.**

Status: This recommendation will be evaluated as part of the 2021 Waste Minimization Plan.

**c) Undertaking random waste audits to identify where improvements are needed.**

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

Status: The focus on this recommendation was to assess any opportunities for improving waste diversion performance through consulting with City custodial staff and their management. Audits were conducted in 2018 by Solid Waste staff in consultation with each facilities' facility management staff at the Orillia City Centre, Library, Opera House, Leacock Museum, Rotary Place, Brian Orser Arena, Municipal Operations Centre, Parks & Recreation Workshop and Green House, Orillia OPP Detachment, Orillia Fire Stations 1 & 2 and Barnfield Point Recreation Centre.

During the audits with each Facility Manager, and based on input from the custodians, the following issues were noted and addressed.

- In some facilities, clear plastic bags were being used in the washrooms for the paper towels rather than the compostable bags. Custodial staff is aware now that paper towels are compostable rather than going into the paper stream.
- While collecting recyclable material, it was found that custodial staff was dumping both the containers and fibres into the same clear bag for collection. Staff are now aware to keep the two streams separate by using two separate bags while collecting this material from each station. It is noted that one of these bags hangs off the side of the cart.
- It was noted that with a new central location at the City Centre for dumping garbage and recycling – and now including organics – it was found that staff were not dumping their materials daily causing issues with fruit flies. It was suggested that more educational information and direction could be given on the City's internal staff bulletin (The Scoop) to help all staff to do their part.
- Storage of paper towels was an issue, particularly with not having enough space in washrooms and storage space for later collection setout. A smaller green bin will be examined for these smaller washrooms and storage carts will be used to store paper towels until collection day.
- The capture rate is really good with the new sorting stations at the Opera House and Parks' facilities.
- Diversion of coffee grounds will now occur at the Rotary Place snack bar.
- There is limited space for Parks' staff to sort recycling. A more permanent building may be needed.

Based on the review of City facilities, Solid Waste staff will continue to work with the custodians and their direct Supervisors from time to time to ensure that all recycling and the organics are getting properly processed. Follow-up occurred in May 2019, and it was found that, overall, staff are using the diversion tools provided in 2018 at all facilities better, and this was confirmed by the custodians.

### **7. Consider single stream recycling.**

Status: Single stream recycling was considered in 2016 when staff were developing the procurement document for the next solid waste collection contract. It was not included as a provisional option in the collection contract. With the reduction in commodity pricing, the

price for recyclables (a commodity) has also fallen leading to more strict quality guidelines from recycling markets. The quality of recycling material deteriorates steadily with single stream recycling given broken glass and food waste can get mixed in with paper fibres. This can lead to load rejections or significant pricing downgrades at the market. For example, dual stream recycling has a residue rate (i.e., percentage of material going to landfill) of approximately 5% while single stream recycling has a residue rate of upwards of 15%. Should these concerns be addressed in the future with sorting technology, single stream recycling can be considered again.

Since 2018, the trend continued to move further away from single stream recycling given the more stringent recycling market quality requirements resulting from China's Green Sword program.

#### **8. Consider providing recycling box lids.**

Status: This item was examined in 2018. Based on staff's research, only the Region of Niagara was found to be allowing residents to use recycling (blue) box lids on their recycling boxes. Niagara Region promoted on their website that on windy days residents could use a bin lid or place paper products in a shopping bag on top of the containers to help stop the containers from blowing around. Niagara Region does not sell the recycling box lids. Residents need to purchase the lids on their own.

There are several challenges with using recycling box lids including:

- During the winter months, collection staff would have difficulties removing lids with their gloves on.
- The lids would need to be set right back into the recycling box after being dumped or they could be blown away easily.
- Scavengers looking for LCBO and beer containers would probably not set the lid back in place after going through the recycling box.
- Box lids cost approximately \$4.50 per unit, which is almost the same cost as the recycling box itself.

For these reasons and given other municipalities are not using recycling box lids, budget was not sought by staff to purchase them in 2019. Residents of Orillia are instructed to place their recycling box for containers on top of their recycling box for paper to help minimize any materials from blowing out. Litter from items blown out of recycling boxes has not been found to be a major issue in Orillia.

#### **9. Assess increasing staff or outside support to ensure diversion at special events in Orillia is adequately monitored and implemented.**

Status: As part of the development of the 2018 Budget process, a pilot study was proposed that would have involved selecting one special event in 2018 whereby additional Parks staff support would be provided throughout the event to oversee diversion and ensure proper sorting was occurring. Solid Waste staff would then assess diversion performance by measuring the weights of materials collected. A second event would have been selected whereby no additional Parks staff support would be provided and Solid Waste staff would assess diversion performance by measuring the weights of materials collected. Diversion

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

rates would then have been compared between the two events to assess the staff impact on diversion. Budget was not approved for this pilot study.

### **10. Consider a bulky item collection program that maintains diversion of recyclable materials from landfill.**

Status: Council approved a one-time free pick-up of bulky items in 2018. A residential bulky item collection event was held the week of June 25, 2018. The event ran from Monday, June 25<sup>th</sup> to Friday, June 29<sup>th</sup>, but also ran into the morning of Saturday, June 30<sup>th</sup>. Collection results are summarized in the following table. These tonnages are included in Tables 1 and 2 of this report as tonnages of materials dropped off at the Waste Diversion Site (not as collection quantities).

Material Type	Number of Loads To Waste Diversion Site	Total Weight Dropped Off (tonnes)
Garbage (Bulky)	47	165.84
Wooden Furniture	35	65.95
Tires	20	23.09
Scrap Metal	17	2.82
Waste Electronics	4	0.97
Mattresses (clean)	15	0.34
Refrigeration Equipment	1	0.07
TOTAL	139 Loads	259.08 tonnes

Overall, almost 166 tonnes of bulky garbage was collected and a total of over 93 tonnes of the materials collected were diverted from landfill. Wooden furniture is considered diverted because it is chipped and used for onsite roads and landfill cover. The overall diversion rate for the event was almost 36%. There was a significant amount of treasure hunting occurring whereby usable items and scrap metal items were collected before the collection event. Had this not occurred, the diversion rate and the total weight of materials collected would have been higher.

The program's total cost was approximately \$36,000; however, this does not include the estimated \$40,700 in lost tipping fee revenue. There was a significant issue with non-acceptable items being set out for collection and placed on top of acceptable items, and this, along with having no set-out limit, led to collection delays.

If a bulky item collection program were to be implemented by the City in the future, the following considerations should be evaluated:

- A user pay program would ensure only acceptable items are set out and the user would pay for part or all of the collection and waste management costs. This is still the recommended option.
- If a future free collection event is offered:
  - A set out limit per household would be needed so that collection will not be delayed by excessive set out, and there is some certainty for bidders on what they would be collecting, which would enhance competition. There was only one bidder submitting a quotation for the collection event in 2018.

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

- Waste electronics should not be collected. There may have been some confusion over what was acceptable because smaller waste electronics were allowed.
- Mattresses only be allowed if they are bagged by the resident to address the health and safety concerns of handling mattresses with cleanliness issues.

### **11. Consider re-establishing a charge for distributing plastic shopping bags in Orillia.**

Status: This item was examined in 2019 and 2020. Council directed staff to examine the feasibility of banning single use plastics. Staff prepared a Council Committee report recommending that the City support, in principle, the Government of Canada's proposed plan entitled "A proposed integrated management approach to plastic products to prevent waste and pollution" and that a copy of this report be forwarded to The Honourable Jonathan Wilkinson, Minister of Environment and Climate Change. This plan calls for the following six single-use plastic items to be banned by the end of 2021:

- Plastic checkout bags
- Stir sticks
- Six-pack rings
- Straws
- Plastic cutlery
- Food takeout containers made from hard-to-recycle plastics

It was also noted by staff that where single-use products and packaging items cannot be managed properly and where alternatives are available, the use of restrictions, bans or requirements that reduce the risk of plastic pollution should be pursued. Staff noted that implementing a single-use plastics ban is better suited and would have much more impact if implemented on a provincial or national scale.

Council directed that further consultation occur with the Environmental Advisory Committee, Sustainable Orillia and a local plastics manufacturer. This consultation is currently underway.

### **12. Examine other diversion depots that could be set up at the Waste Diversion Site including, but not limited to:**

- a) Large rigid plastics.
- b) Window glass.
- c) Porcelain/ceramics.

Status: Further to Recommendation 12 a), please see Section 3.2.1 of this report.

Recommendations 12 b) and c) will be evaluated as part of the 2021 Waste Minimization Plan.

### **13. Continue to explore the management options for:**

- a) Pet waste.
- b) Diapers, incontinence and feminine hygiene products.
- c) Non-accepted plastics in the recycling box (Recycling Code #3 and plastics with no code).

**d) Private paper documents (paper shredding and recycling).**

Status: For Recommendations 13a and 13b, the City promotes home based solutions for reducing pet waste and diaper/incontinence waste. Should the County of Simcoe construct a new organics processing facility, the City will consider sending pet waste, diapers and green bin organics to this facility.

Recommendations 13c and 13d will be evaluated as part of the 2021 Waste Minimization Plan.

**14. Assess diversion at Orillia apartments and condominiums to ensure the City's source separation by-law is enforced.**

Status: Annual inspections of all apartments and condominiums on the City's garbage bin collection service are conducted. Locations found to be in non-compliance with the City's source separation bylaw are issued warning letters along with flyers to assist with proper diversion. Re-inspections then occur within a month to re-assess compliance. If there are still issues, garbage bin collection service is suspended for at least one collection event and until the landlord addresses the source separation issue. Suspension can last as long as 90 days if necessary, but the issues are normally addressed within two weeks.

Staff will continue to monitor all apartments and condominiums on an ongoing basis.

**15. Assess the City's Municipal Code Chapter 877 regarding scavenging with respect to LCBO and Beer Store containers.**

Status: This item was assessed in 2017. No changes to Chapter 877 (Solid Waste Management) were made with respect to scavenging. Allowing people to remove LCBO containers from recycling boxes set at the curb would increase scavenging in Orillia. Those wishing to remove these containers already have the means to do this by requesting permission from the resident and then removing the containers away from the curb.

**16. Have WMAC consider developing a food waste reduction strategy that involves public education on the extent of the problem as well as ways to address it (e.g., food share programs). Connect this with education programs on composting programs and community gardens to educate the public about the value of composting and building healthy soil.**

Status: WMAC members reached out to the Food Bank and the Orillia Food Council in 2017 to discuss a strategy of working together. A new Wasteline tip was developed entitled "Tips for Reducing Food Waste" and was run in August 2017 as a front page banner in the former Packet & Times free Thursday newspaper.

In 2018, a public film presentation on food waste issues was sponsored by WMAC in the amount of \$150. The film presented was called "Hungry for Leftovers", and provided an in-depth look at the food we waste and the effect on individuals living with food insecurity in Simcoe County. The film was presented at the St. Paul's Centre on April 23, 2018, and there was no fee for admission.

**17. Reconsider a reuse depot at the Waste Diversion Site.**

Status: The City expanded its Paint Reuse Depot in May 2018 through the purchase of a modified sea (storage) container with two roll-up doors. The storage container was divided with a partition wall to include a section for paint and other special wastes available for reuse and a section for household items such as furniture, pictures, books and tools. Like the paint reuse portion of the depot, reusable household items are set aside by site staff once dropped off for disposal and paid for. The City diverts approximately 1 tonne of household items through the Reuse Depot annually on average.

The section of the depot dedicated to household items is open year-round. The section dedicated to paint and other hazardous/special type products is only open in the warmer months as the building is not heated.

**18. Have WMAC consider staging an annual recycling training and "Ideas & Innovations" Forum as part of promotion and education activities for residents, and invite elementary and secondary school students to participate.**

Status: In 2018, WMAC ran a Waste Reduction Challenge project. Letters were issued in May 2018 to local schools where it was noted that WMAC was encouraging local residents, students, groups and/or businesses to submit ideas and messages for improving waste reduction in Orillia by September 28, 2018. WMAC would then be reviewing all submissions and announcing the program winners during Waste Reduction Week in October 2018. Unfortunately, no submissions were received.

**19. Assess Waste Diversion Site operating hours.**

Status: This item was examined in 2018, and in early 2019, a report to Council Committee recommended that the Waste Diversion Site weekday winter hours (i.e., 8:30 a.m. to 4:30 p.m.) be expanded to include the month of November effective November 1, 2019. This was approved by Council through an amendment to City Policy 9.3.1.1.

By closing the site weekdays in November at 4:30 instead of 5:00 p.m. with the move to winter hours, the following health and safety concerns have been addressed:

- Staff are not be working in dark conditions.
- The public is not be on site during dark conditions.
- Staff arrives on site one hour before site opening to plow snow and sand public areas when needed. This is beneficial if there is an early onset of winter in November.

This change had minimal impact on site customers in 2019. In 2018, it was found that less than 2% of customers came after 4:30 p.m. during November. This change was promoted to the public in 2019.

In 2020, Council approved a staff recommendation that effective December 1, 2020, the Waste Diversion Site hours would not change year-round and would be:

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

- Monday to Friday: 8:30 a.m. to 4:30 p.m. and
- Saturday: 8:30 a.m. to 1:00 p.m.

Previously, the site was open until 5 p.m. during the summer months. The reasoning for the change was as follows:

- It allows to have all staff present for morning meetings before the site opens to the public. These meetings are very helpful for discussing site issues or customer service issues.
- It allows staff a proper amount of time to complete circle check forms for site equipment before the site opens.
- It is much easier to promote to the public, and would lead to less confusion from site users.

The new hours are now in place.

### **20. Lobby the provincial government for Extended Producer Responsibility (EPR) & deposit return programs aimed at shifting costs for waste management away from the taxpayer and onto the producer. As part of this, look at recommending that the deposit be increased for LCBO and Beer Store containers.**

Status: The City participates in any available stewardship programs including for tires, waste electronics, Blue Box recycling and Municipal Hazardous or Special Waste. Deposit levels for LCBO and Beer Store containers were not assessed as these items are not making their way into Orillia's waste stream according to the most recent waste audit data.

### **21. Conduct waste composition studies to assess the performance of this waste minimization plan.**

Status: In April 2018, the City applied through an Expression of Interest process to have the Resource Productivity and Recovery Authority's Continuous Improvement Fund (CIF) fund a waste composition study in Orillia. Waste composition studies provide important details on the diversion performance for solid waste collection programs, and measure the percentage of recyclable or compostable materials captured for diversion from landfill (or capture rates). Staff was interested in conducting this study to assess the impacts of moving to every other week (EOW) garbage collection in September 2015 while maintaining weekly recycling and green bin collection. Staff were also interested in assessing capture rate targets set out in the 2016 Waste Minimization Plan.

The City was approved to conduct the 4-season waste composition study in 2019 and 2020, and was fully funded by the CIF and Stewardship Ontario. Due to the COVID pandemic, only three of the scheduled four waste composition studies were undertaken including the summer and fall of 2019 and the winter of 2020.

Given the focus of CIF and Stewardship Ontario was only on blue box recyclables captured within the City's recycling box program, and staff know that a major impact of every other week garbage collection was on collecting an increased amount of green bin organics, the City provided the necessary staff support to collect and sort green bin organics directly.

## CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

AET Consultants was hired by CIF and Stewardship Ontario through an RFP process to perform the waste audits. The audits were performed at single family households only over two-week periods at three different times of the year to account for seasonal variations in waste composition including:

1. Summer 2019 – July 22 to August 2, 2019
2. Fall 2019 – November 18 to 29, 2019
3. Winter 2020 Audit – January 20 to 31, 2020

The audit results are used to assess the performance of the recycling box and green bin programs and to assess the targets set out in this 2021 plan. This is crucial to understanding what diversion programs need further promotion, and the expected amounts of divertible materials collected if new diversion programs are initiated by the City.

### **22. Consider an incentive program to encourage waste diversion including but not limited to:**

- a) **Providing free compost.**
- b) **Incentives for reusable diapers and feminine hygiene products (e.g., Diva Cup).**
- c) **Special stickers or recycling boxes for residents demonstrating great diversion participation.**
- d) **City incentives for residents demonstrating great diversion participation, such as Opera House Shows and bus passes.**

Status: This recommendation will be evaluated as part of the 2021 Waste Minimization Plan.

CITY OF ORILLIA – 2021 WASTE MINIMIZATION PLAN

Performance results for the 2016 Waste Minimization Plan are presented in the following tables.

**Table A.1: 2016 Waste Minimization Plan Performance Results**

2016 Plan Item	2015 Baseline Results	2016 Plan Target for 2020	Performance Results (based on 2019/2020 Audits & 2020 data)
Recycling Capture Rate	85%	90%	86.2%
Green Bin Organics Capture Rate	40%	65%	71%
Overall Waste Diversion Rate	62%	70%	64%
Curbside Diversion Rate	61%	70%	64%
Waste Generated Per Capita	213 kg/person/yr	190 kg/person/yr	173 kg/person/yr

**Table A.2: Performance Results for Specific Recyclables**

Item	Average Capture Rates (%)		Target Capture Rates*
	2012/2013	2019/2020	
Mixed Paper	85.2**	87.9	90.0
Boxboard	79.2	88.7	90.0
Corrugated Cardboard	93.8	94.5	90.0
Aseptic/Polycoat Containers/Paper Cups	62.9***	88.4	90.0
<b>Total Fibres</b>	<b>87.0</b>	<b>89.9</b>	<b>90.0</b>
PETE Bottles (#1)	89.0	90.3	75.0
HDPE Bottles & Jugs (#2)	86.9	85.5	75.0
Tubs & Lids (#5)	74.4	74.3	75.0
Styrofoam	60.1	68.9	75.0
Plastic Film	29.7****	48.1	75.0
Mixed Plastics	79.4	75.6	75.0
<b>Total Plastics</b>	<b>65.1</b>	<b>70.3</b>	<b>75.0</b>
Aluminum Cans	91.9	89.4	90.0
Aluminum Foil & Trays	20.1	47.8	90.0
Steel Cans	88.1	91.8	90.0
Empty Aerosol Cans	41.4	78.0	90.0
<b>Total Metals</b>	<b>81.7</b>	<b>85.7</b>	<b>90.0</b>
Clear Glass	94.1	97.7	95.0
Coloured Glass	98.3	97.3	95.0
LCBO Clear Glass	85.5	93.5	95.0
LCBO Coloured Glass	96.6	94.7	95.0
<b>Total Glass</b>	<b>94.0</b>	<b>96.0</b>	<b>95.0</b>
<b>TOTAL RECYCLABLES</b>	<b>85.0</b>	<b>86.2</b>	<b>90.0</b>

\*From 2016 Waste Minimization Plan

\*\*Average of capture rates for newspaper, magazines and mixed paper.

\*\*\*Average of capture rates for aseptic containers, polycoat containers and paper cups.

\*\*\*\*Average of capture rates of plastic film and plastic retail bags.

# APPENDIX B

## EXISTING WASTE MANAGEMENT PROGRAMS

Table of Contents	Page B-
B.1 WASTE DISPOSAL .....	1
B.2 WASTE QUANTITIES DIVERTED .....	1
B.3 COLLECTION PROGRAMS .....	3
B.3.1 Garbage Tag Program.....	3
B.3.2 Recycling Box/Cart Collection .....	4
B.3.3 Green Bin/Yard Waste Collection .....	4
B.4 WASTE DIVERSION SITE DEPOTS .....	5
B.4.1 Asphalt .....	5
B.4.2 Brush/Tree Wood .....	5
B.4.3 Concrete .....	5
B.4.4 Electronics Recycling .....	5
B.4.5 Green Bin/Yard Waste.....	6
B.4.6 Gypsum Drywall .....	6
B.4.7 Household Hazardous Waste Depot .....	6
B.4.8 Mattresses & Box Springs .....	7
B.4.9 Other Wood .....	7
B.4.10 Plastic Pails, Rigid Plastics, Broken Recycling Bins & Flower Pots	7
B.4.11 Recycling Box Depots .....	8
B.4.12 Refrigeration Equipment.....	8
B.4.13 Scrap Metal .....	8
B.4.14 Shingles.....	8
B.4.15 Tires .....	9
B.4.16 Mixed Loads .....	9
B.4.17 Inactive Depots.....	9
B.5 WASTE REDUCTION PROGRAMS .....	10
B.5.1 Subsidized Backyard Composters.....	10
B.5.2 Reuse Depot .....	10
B.6 2019/2020 WASTE COMPOSITION STUDY.....	11
B.6.1 Waste Composition Results .....	11
B.6.2 Capture Rates .....	12
B.7 PROMOTION AND EDUCATION PROGRAM .....	13
B.7.1 Solid Waste Collection Guide/Calendar.....	14
B.7.2 Apartment & IC&I Promotional Material.....	14
B.7.3 Garbage Tag Letter .....	14
B.7.4 Newspaper Notices .....	15
B.7.5 City Website .....	15
B.7.6 Pingstreet .....	15
B.7.7 Media Releases.....	15
B.7.8 Radio Advertisements .....	16
B.7.9 Waste Diversion Site Tours and School Visits.....	16
B.7.10 Problem Sticker .....	16
B.7.11 Collection Truck Signs.....	16
B.7.12 Promotion by the Waste Management Advisory Committee .....	16

## **LIST OF TABLES**

Table B-1: Summary of Total Waste Landfilled at the Waste Diversion Site in Orillia (Residential & IC&I) .....	1
Table B-2: Inbound Quantities of Materials Diverted at the Waste Diversion Site	2
Table B-3: Diversion Rates for Curbside Collection Only.....	2
Table B-4: Rates of Overall Waste Diverted From Waste Diversion Site .....	3
Table B-5: Garbage Composition Results for CIF/SO 2019/2020 Waste Audits.	12
Table B-6: Capture Rates Measured for CIF/SO 2019/2020 Waste Audits .....	13

## **LIST OF FIGURES**

Figure B-1: Percent Composition (By Weight) of Materials in the Residential Garbage Stream in 2019/2020.....	11
--	----

## Appendix B – Existing Waste Management Programs

This Appendix describes Orillia’s existing waste diversion and minimization programs. In 1999, the City began referring to the Kitchener Street Landfill Site as the Waste Diversion Site. This name accurately reflects all the diversion activities that take place at this site.

### B.1 Waste Disposal

Table B-1 displays the tonnage of waste landfilled from Orillia from 2016 to 2020. Of note:

- The move to every other week garbage collection in September 2015 significantly reduced the amount of waste collected at the curb and this was maintained during the five-year period of the 2016 Waste Minimization Plan.
- In 2020, there was a higher amount of garbage collected at the curb due to the COVID-19 pandemic. The overall amount of garbage decreased in 2020 with reduced drop off at the Waste Diversion Site.

**Table B-1: Summary of Total Waste Landfilled at the Waste Diversion Site in Orillia (Residential & IC&I)**

Year	Collected (tonnes)	Dropped Off (tonnes)		Total (tonnes)	Population	Per Capita (kg/person/yr)
		Residential	IC&I			
2016	3,467	1,382	816	5,665	30,837	184
2017	3,479	1,505	809	5,793	31,128	186
2018	3,478	1,458	1,167	6,103	32,020	191
2019	3,392	1,787	735	5,914	32,456	182
2020	3,794	1,588	380	5,762	33,367	173

Notes:

1. Total tonnes does not include spill clean-up material, street sweepings or cover fill
2. Population figures from Development Services and Engineering Department.

### B.2 Waste Quantities Diverted

Table B-2 shows the amount of materials diverted from the City’s Waste Diversion Site from 2016 to 2020 through the curbside green bin/yard waste and recycling box programs and through diversion depots at the Waste Diversion Site. Table B-3 summarizes curbside waste diversion rates while Table B-4 summarizes the City’s overall waste diversion rates.

**Table B-2: Inbound Quantities of Materials Diverted at the Waste Diversion Site**

Material	Quantity (tonnes)				
	2016	2017	2018	2019	2020
Asphalt	14	9	2	41	481
Brush/Tree Wood <sup>1a</sup>	534	574	714	673	668
Concrete	148	278	432	681	1,368
Green Bin/Yard Waste <sup>1b</sup>	4,171	4,028	4,208	4,790	4,349
Electronics <sup>2</sup>	28	37	48	48	57
Gypsum Drywall	63	75	85	103	78
HHW (Including Reuse Depot) <sup>3</sup>	104	107	130	127	124
Other Wood	463	463	498	439	371
Pails/Broken Recycling Bins/Flower Pots <sup>2</sup>	4	5	2	4	3
Recycling Box <sup>4</sup>	3,423	3,590	3,561	3,412	3,200
Scrap Metal <sup>5</sup>	135	131	124	130	158
Shingles	81	110	87	95	89
Tires <sup>2</sup>	26	24	68	51	58
Mattresses <sup>2</sup>	4	11	19	12	27
Reuse Depot – Household Items <sup>6</sup>	N/A	N/A	1	2	0.4
<b>Total</b>	<b>9,198</b>	<b>9,442</b>	<b>9,979</b>	<b>10,608</b>	<b>11,031</b>
Per Capita Diversion <sup>7</sup> (tonnes/person/year)	<b>0.30</b>	<b>0.30</b>	<b>0.31</b>	<b>0.33</b>	<b>0.33</b>

1. 1a - Includes Christmas trees collected curbside and dropped off; 1b – Includes woodchips
2. Outbound quantity reported since inbound quantity not measured or is based on an estimated weight.
3. Includes HHW from Simcoe County Residents
4. Material from residential collection program and depots at the Waste Diversion Site.
5. Outbound quantity of scrap metal reported since inbound quantities do not account for loads sorted on site.
6. Recorded as regular garbage when dropped off by Waste Diversion Site customers. This tonnage removed from garbage dropped off by residents in Table 1.
7. Based on population numbers presented in Table 1.

**Table B-3: Diversion Rates for Curbside Collection Only**

Year	Garbage Collected (tonnes)	Recycling Box/Cart (tonnes)	Green Bin/ Yard Waste* (tonnes)	Total Diverted (tonnes)	Total Waste Handled (tonnes)	Waste Diverted (%)
2016	3,467	3,423	2,529	5,952	9,419	63
2017	3,479	3,590	2,576	6,166	9,645	64
2018	3,478**	3,561	2,758	6,319	9,797	64
2019	3,392	3,412	3,116	6,528	9,920	66
2020	3,794	3,200	3,532	6,732	10,526	64

\*Does not include Christmas trees collected.

\*\*Does not include bulky garbage collected in 2018.

**Table B-4: Rates of Overall Waste Diverted From Waste Diversion Site**

Year	Garbage Buried* (tonnes)	Waste Diverted (tonnes)	Total Waste Handled (tonnes)	Waste Diverted (%)
2016	5,665	9,198	14,861	62
2017	5,793	9,442	15,235	62
2018	6,103	9,979	16,082	62
2019	5,914	10,608	16,522	64
2020	5,762	11,031	16,793	66

\* Does not include spill cleanup, street sweepings or cover fill material

### **B.3 Collection Programs**

The City currently operates weekly collection programs for garbage, recyclable materials, and compostable green bin/yard waste from approximately 15,800 households, apartment buildings, and the IC&I sector. This work is currently contracted to Mid Ontario Disposal. Through Municipal Code Chapter 877, residents and businesses are required to separate at the source whereby garbage containing more than 30% recycling box and green bin/yard waste materials will not be collected. Residents contacting the City because their mixed garbage was left behind are educated on the proper sorting required. In February 2021, the City is moving to a clear garbage bag program and the source separation requirement will decrease from 30% to 10%.

#### **B.3.1 Garbage Tag Program**

The garbage tag program began on July 1, 1997, and is structured such that a set of tags is mailed out to each household in the City and extra tags may be purchased in lots of five for \$10 (\$2 per tag). When this program began in 1997, one tag per week was mailed to each household in 50 tag lots. Given tags were mailed out two weeks earlier each year, this worked out to 52 tags per year. Starting July 1, 2000, the number of tags mailed out to households was reduced from 52 to 40 tags per year. Council then allowed residents to pick up an additional five tags per year at no cost (in addition to the 40 tags provided) starting July 1, 2002 until June 30, 2004. From 2005 to 2009, 40 tags were mailed out to each household at the end of May of each year. In 2009, Council approved the reduction in the allotment of garbage tags provided from 40 tags per year to 30 tags per year effective July 1, 2010. This corresponded to improvements to diversion programs including issuing green bin carts to residents and the simplified recycling program whereby a second recycling box can be used for paper, boxboard and small pieces of cardboard in addition to a recycling box for containers. In July 2016, the tag allotment was reduced from 30 to 25 tags per year to correspond to the move to every other week garbage collection. In July 2017, the tag allotment was reduced

from 25 to 20 tags per year in an effort to continue to encourage waste reduction and to maintain revenue for covering garbage collection and disposal costs.

The garbage tag program has been very effective in encouraging waste reduction. After the first full year of the program, there was a 23% drop in garbage collected and a 36% increase in recyclables collected compared with 1996 levels.

### **B.3.2 Recycling Box/Cart Collection**

The Recycling Box program began in 1989 and over the years new items were added. Residents are able to recycle plastic bottles/containers with recycling symbols 1, 2, 4, 5, 6 and 7, plastic tubs and lids, plastic food trays, styrofoam, clean plastic bags, empty aerosol cans, aluminum cans and foil, steel cans, glass bottles, polycoat/aseptic cartons (i.e., milk/juice cartons and drink boxes), mixed paper (newspaper, office paper, empty paper cups phone books, magazines, junk mail, envelopes, paperback books, wrapping paper, and egg cartons), corrugated cardboard, and boxboard (e.g. cereal boxes). The City operates a two stream system whereby containers are placed in one recycling box and mixed paper, boxboard and small pieces of cardboard are placed in a separate recycling box. Larger corrugated cardboard is flattened, tied, and placed beside the recycling box with a limit of four bundles – bundle size limit is 120 cm by 75 cm by 25 cm. Any bundles over the four bundle limit require a garbage tag.

At apartments and the IC&I sector, the City provides 360 litre roll-out carts and collects recyclables in two streams as mentioned before. Apartments can receive an unlimited number of carts but the IC&I sector is limited to eight carts. Over this, they have to pay for the additional recycling pickup. If the apartment or IC&I location does not have its own private cardboard collection bin, it must be set out the larger pieces of cardboard in bundles with a four bundle limit for IC&I locations and an eight bundle limit for apartments recognizing that apartments can have a lot of tenants.

### **B.3.3 Green Bin/Yard Waste Collection**

The City initiated weekly yard waste collection in 1993. This material is brought to the Waste Diversion Site to be composted through the collection program and by direct drop off. Over the years the collection program has expanded to include fruit and vegetable waste (1996) and other food waste excluding meat and dairy products (2001), and all food wastes including meat and dairy products (2014). The program initially ran from mid-April to mid-November each year. In 2004, collection began running year-round. From 2007 to 2009, kitchen organics containers and green bins were delivered to residents of Orillia, and this has appreciably increased the capture of organic materials from the garbage stream in the curbside collection program.

Yard waste includes leaves, grass clippings, household plants, shrub & hedge trimmings (no larger than 1 m x 50 cm x 50 cm) and branches less than 25 mm in diameter. Kitchen food waste accepted in the green bin program includes fruits,

vegetables, bread, pasta, rice, coffee grounds and filters, tea bags, egg shells, soiled tissue paper, meat and dairy products.

A waste composition study undertaken in 2019/2020 found that almost 24% (by weight) of the residential garbage stream still contains compostable food organics (including meat and dairy products) and soiled tissue paper that could be diverted through the green bin program. This continues to represent the largest potential source of diversion in Orillia.

## **B.4 Waste Diversion Site Depots**

At least 15 diversion depots for recyclable materials are operated at the Waste Diversion Site (including the Reuse Depot). Most are managed at less than the cost of garbage disposal. Many of the depot programs have a per tonne fee applied which is less than the tipping fee for regular garbage. The lower tipping fee for most of the depot materials encourages site users to separate out these items.

### **B.4.1 Asphalt**

A depot for asphalt was set up at the Waste Diversion Site in 1990. The majority of waste asphalt comes from City projects. Asphalt accepted at the site is stockpiled and is used for onsite road development.

### **B.4.2 Brush/Tree Wood**

Brush and tree wood includes brush, logs, Christmas trees, and stumps. A depot for this material was set up at the Waste Diversion Site in 1989. This wood is chipped and used in the site's windrow composting operation, or sold as wood chips. Suitable tree and limb wood is currently separated for sale as firewood.

### **B.4.3 Concrete**

A depot for concrete and boulders was set up in 1990 at the Waste Diversion Site. The concrete is stockpiled on site and when quantities warrant it, the material is crushed and may be used for on-site or off-site projects. Concrete with rebar is crushed on site, and the rebar is removed and recycled before the concrete leaves the site.

### **B.4.4 Electronics Recycling**

An electronics drop-off recycling depot was opened in November 2000 at the Waste Diversion Site's Household Hazardous Waste Depot. It is also open to residents of the Townships of Ramara, Severn, and Oro-Medonte. Site users can drop off a wide variety of items free of charge for recycling such as computers, monitors, televisions, DVD players, VCRs, cell phones, and stereos. Recycling costs are paid for through an agreement with the Electronic Product Recycling Association. Usage of this depot has steadily increased since 2016 as fewer collection sites are available in the Orillia area.

#### **B.4.5 Green Bin/Yard Waste**

Compostable green bin/yard waste including food scraps, leaves, grass, and other yard waste originating within the City of Orillia continues to be accepted at the Waste Diversion Site at no charge for Orillia residents and businesses. A tipping fee of \$20.00 per tonne is in place for compostable material brought to the site from the IC&I sector and the Townships of Severn, Oro-Medonte and Ramara to cover processing costs. The compost site was originally set up in 1990 as a test pilot program for composting leaf and yard waste. In November 1993 the City received an ECA from the Ministry of the Environment to operate this compost site. In May 1994, the Ministry amended the ECA to include the Townships of Ramara, Severn and Oro-Medonte as part of the service area for the compost site. In 1996, the ECA was amended to allow the City to compost fruit and vegetable waste at this site. A further amendment in 2001 allowed the City to compost compostable food waste (excluding meat and dairy waste). In 2013, an amended ECA was issued for a relocated composting site and a new ECA was issued for a swale used to control stormwater runoff from this pad. The composting pad was relocated in 2013 further west on site to move it away from Lake Simcoe and to prepare a firm pad base with proper drainage to a newly constructed and lined swale. Based on the new pad and ECAs, meat and dairy was allowed for composting and this began to be accepted in the green bin program effective January 1, 2014.

Incoming feedstock is composted over an eight month period, tested to ensure it can be sold as Category AA compost with unrestricted use, and is then screened and sold.

#### **B.4.6 Gypsum Drywall**

A depot for gypsum drywall was started at the Waste Diversion Site in 1998. The drywall is shipped for recycling into new drywall or as an agricultural supplement.

#### **B.4.7 Household Hazardous Waste Depot**

The City established a permanent Household Hazardous Waste Depot at the Waste Diversion Site in 1990 after the Ministry issued an ECA for the depot. Waste Diversion Site staff are trained and licensed to receive and pack household hazardous waste for removal by a licensed hauler.

Typical items that are accepted include:

Batteries	Oil and Oil Filters	Aerosol Cans
Gasoline	Antifreeze	Pesticides
Disinfectants	Oven Cleaner	Solvents
Paints and Stains	Fertilizer	Drain Cleaner
Nail Polish	Floor Wax	Flea Powder
Metal Polish	Fluorescent Tubes/Bulbs	Propane Tanks
Wood Preservatives	(limit 30 per visit)	Swimming Pool Chemicals
Pharmaceuticals	Personal Care Products	

## Appendix B – Existing Waste Management Programs

The original service area covered by the HHW Depot when it started operation in 1990 included the City of Orillia and the former Townships of Orillia, Rama and Mara. When the Simcoe County restructuring took place in January 1994, these former townships were amalgamated or redrawn. The resulting Townships of Ramara, Severn and Oro-Medonte included the areas of the former townships as well as new areas within the new municipal boundaries. In 1994, the Ministry amended the ECA to include these newly created Townships. A further amendment in 2009 allowed the City to extend the hours of this Depot to the full Waste Diversion Site hours. These items are shipped for recycling and most of the costs are currently reimbursed by Industry Funding Organizations (Stewardship Ontario and Product Care Canada).

Usage of this depot has steadily increased since opening. Between 1993 and 2019, overall usage increased from 1,838 to 8,123. Usage steadily increased from 2016 to 2019 by almost 10% from 7,393 to 8,123 users, but decreased in 2020 to 6,375 users due to the COVID-19 pandemic. In 2020, restrictions were put in place for essential loads only to the Waste Diversion Site to limit the spread of the virus.

### **B.4.8 Mattresses & Box Springs**

On May 1, 2012, the City began separating mattresses and box springs at the Waste Diversion Site. These items are difficult to compact and take up a large volume of space in a landfill. Mattresses and box springs that are overly soiled, damaged, or suspected to contain bed bugs are set aside and placed into a transport trailer. Once full, the trailer is shipped to Recyc-Mattresses of Toronto where the metal, wood and foam/fabric in the mattresses and box springs are separated and recycled. The company states that 98% of the mattress/box spring components processed at their facilities are recycled.

### **B.4.9 Other Wood**

Other wood includes painted wood, furniture, and demolition materials from construction projects. These types of wood typically contain contaminants that make them unsuitable for addition to the compost or sold as wood chips. A depot for this wood has been in place at the Waste Diversion Site since 1991. This material is chipped and used as a replacement for granular fill (roadbeds and cover) at the Waste Diversion Site. It is noted that the balance of these materials are diverted from landfilling by shredding and being utilized on site.

In August 2012, staff began separating usable lumber (without nails), plywood, furniture and other wood items, and made these items for sale to the public at a rate of \$10 per tonne and a \$15 minimum. The City currently sells approximately 2 tonnes of wood per year through this depot.

### **B.4.10 Plastic Pails, Rigid Plastics, Broken Recycling Bins & Flower Pots**

Some large plastic pails can be re-used by others after they have been emptied. However, the demand for used pails is limited. A depot at the site, set up in May 1996, accepts 10 and 20 litre high-density polyethylene pails (HDPE – Recycling

Symbol #2). Pails not picked up by residents are set aside with broken recycling boxes/carts and broken green bins for recycling. The pail handles are removed and the wheels are removed from the carts. Pickups of broken boxes/carts and pails for recycling occur regularly.

On November 1, 2011, a new recycling depot was set up at the Waste Diversion Site for plastic flower pots received from Orillia residents. Businesses are excluded.

A pilot study was initiated in May 2018 whereby large rigid plastics dropped off for disposal were set aside for future recycling. The plastics included crates, totes, large plastic toys (playground slides), broken recycling bins and any rigid plastics with recycling numbers 2 or 5 on them. In 2020, Pnewko Brothers agreed to take this material with the empty automotive plastic containers they already take. The depot will continue to operate internally meaning staff will set aside for recycling any recyclable rigid plastics dropped off with garbage.

#### **B.4.11 Recycling Box Depots**

A fine paper depot was initially set up at the Waste Diversion Site in 1990. In 1991, it was expanded to include telephone books, and then recyclable items collected in the curbside recycling program (excluding corrugated cardboard). Cardboard depots were used on a trial basis and when a depot was not in place, cardboard was included with the wood and was chipped. A permanent depot for cardboard was set up in 1993.

Recycling Box materials are currently accepted at various depots at the Waste Diversion Site at no charge. They include mixed paper and boxboard, containers, plastic bags and styrofoam. These materials are collected by Mid Ontario and are then shipped with recyclable material collected in the City's curbside recycling collection program.

#### **B.4.12 Refrigeration Equipment**

The City has been accepting and removing Freon from refrigeration equipment since 1992. Trained staff removes Freon from these appliances including refrigerators, freezers, dehumidifiers, and air conditioners. Once the Freon is removed, the units are marked with an "X" to show they have been processed and a tag is added certifying that the unit is free of Freon. The processed units are placed with other scrap metal items, and are sold as such.

#### **B.4.13 Scrap Metal**

A depot for scrap metal was set up at the Waste Diversion Site in 1988. Scrap metal is accepted from site users at no charge. Scrap metal is sold as mixed material.

#### **B.4.14 Shingles**

Beginning October 1, 2007, staff began diverting clean asphalt shingles from disposal through the setup of a new depot at the Waste Diversion Site. In 2010,

budget was secured from Council to divert this material for recycling. Shingles are sent to Try Recycling near London, Ontario for recycling. The shingles are crushed and added to recycled asphalt and gravel to create Try Pave, which is sold to make parking lots, pathways, driveways and roads.

#### **B.4.15 Tires**

Tires have been received at the Waste Diversion Site for recycling since 1990. The tires are currently shipped to market where they are shredded into rubber crumb and sold to various markets. The City is part of a stewardship program whereby tires are recycled into higher end uses such as mats or automotive mouldings. In September 2009, as part of an earlier tire stewardship program, the City removed the charge for tires off the rim. As of February 2019, the fee for tires on the rim was removed as well. Usage of this depot has more than doubled between 2016 and 2020 as fewer sites in the Orillia area collect tires for recycling.

#### **B.4.16 Mixed Loads**

To encourage diversion of recyclable materials, site users are charged double the regular base tipping fee for mixed loads. Mixed loads include garbage that contains over 10% recyclable, compostable and/or separable items, and/or mixed Building and Demolition material. It also includes mixed loads that contain ten or more oil filters.

#### **B.4.17 Inactive Depots**

The following diversion depots are no longer active at the time of this plan's preparation:

- **Carpets** – On May 1, 2013, the City began separating carpets at the Waste Diversion Site. Rolled carpets were placed in enclosed 40 yard bins. Once full, the bin was shipped to a carpet recycling market. Originally, the market was CarpetCycle Canada of Toronto, but they closed their Canadian operation in late 2013 so the City began working with Aspera Recycling, who was purchased by Green Bridge Industries Limited in 2015. In August 2015, Green Bridge indicated that it was shutting down its carpet recycling program given they had struggled with the quality of carpets received from the municipal sector. The carpets received were too wet and had too many contaminants like stripping. There are no other known markets in Ontario for carpets at this time. If another market is found in the future, staff will look to restart this diversion program. The carpet recycling program was not a major source of diversion for the City.
- **Disposable Diapers** – A depot for disposable diapers was set up in October 1994. Between 1994 and 2003, diapers were sent to Knowaste in Mississauga and Canada Composting Inc in Newmarket. In June 2003, Canada Composting no longer accepted shipments of the City's disposable diapers and ceased operations. A market (Small Planet/Knowaste) was evaluated again in 2007, however, the program costs were very high, and the market closed its Ontario operation in 2008.

- **Polyurethane Foam Recycling** – A polyurethane foam depot was operated at the Waste Diversion Site until 2008 when the market discontinued accepting this material due to the cost of washing it. Items such as couch cushions, foam mattresses and carpet underpadding were retrieved from disposal by Waste Diversion Site staff. This material was picked-up for recycling and used in the manufacture of new carpet underpadding. Due to the uncertainty of the market for this material, the depot was operated internally and was not open to the public.
- **Textiles** – A depot was set up at the Waste Diversion Site to receive used clothing and textiles in June 1996. The Salvation Army agreed to remove the materials, sort out the clothing they can resell, and have the remainder of the textiles recycled. This depot has not been used in recent years and the items collected were wet or were not acceptable to local charities. This depot is no longer active, and the City promotes that clothing be donated to local charities.

## **B.5 Waste Reduction Programs**

The City of Orillia has numerous waste reduction programs in place to help reduce waste prior to collection, diversion and disposal. The largest waste reduction programs are the garbage tag program and every other week garbage collection. Others are discussed in this section.

### **B.5.1 Subsidized Backyard Composters**

The City began selling backyard composters to Orillia residents in 1990. They are currently sold at a subsidized price of \$30 each. Since the program began, the City has sold 8,863 units to the end of 2020

### **B.5.2 Reuse Depot**

The City of Orillia has operated a Reuse Depot since April 1999. Materials received at the HHW Depot are inspected and, if judged suitable, are placed in the Reuse Depot. Residents wishing to take materials from the depot are required to complete a waiver release form. The largest volume of material distributed from the depot is paint but also includes stains, varnish, caulking, hard waxes, fiberglass kits, etc.

The City expanded its Paint Reuse Depot in May 2018 through the purchase of a modified sea (storage) container with two roll-up doors. The storage container was divided with a partition wall to include a section for paint and other special wastes available for reuse and a section for household items such as furniture, pictures, books and tools. Like the paint reuse portion of the depot, reusable household items are set aside by site staff once dropped off for disposal and paid for. The City diverts approximately 1 tonne of household items through the Reuse Depot annually on average.

The section of the depot dedicated to household items is open year-round. The section dedicated to paint and other hazardous/special type products is only open in the warmer months as the building is not heated.

## B.6 2019/2020 Waste Composition Study

A comprehensive residential waste composition study was conducted in 2019 and early 2020. The City received co-funding from the Continuous Improvement Fund (CIF) and Stewardship Ontario (SO) to conduct detailed waste audits single at family households during each season for a total of four audits.

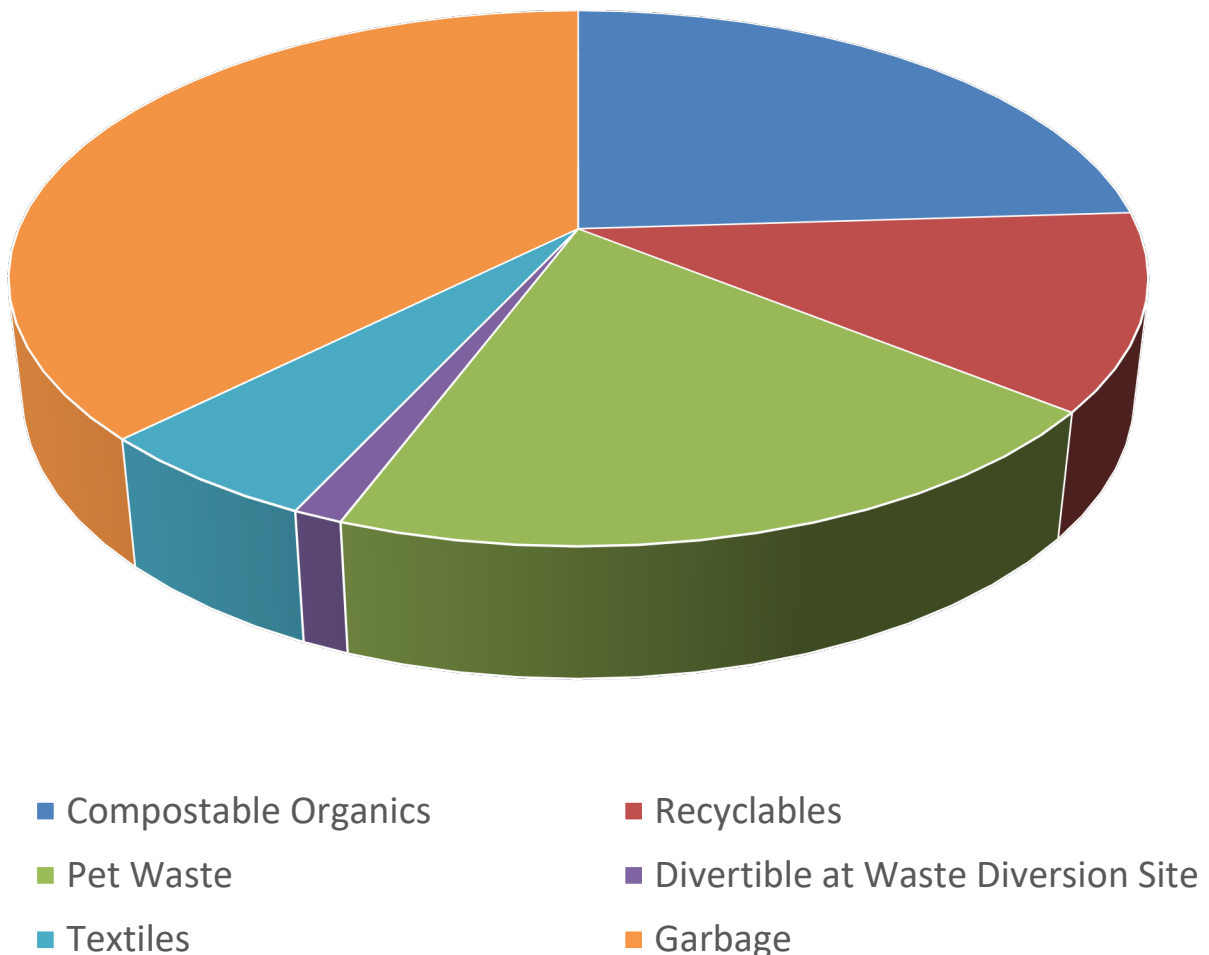
The overall purpose of the study was to assess what recyclable and compostable materials were still finding their way into the residential garbage stream.

### B.6.1 Waste Composition Results

Overall, almost 36% of the current garbage stream from all residential sources could either be placed in the current recycling program (12%) or diverted through the existing green bin/yard waste collection program (24%) as well as backyard composting. Figure B-1 displays the overall results of the 2019/2020 waste composition study for all residential types.

Table B-5 shows the results of the 2019/2020 waste composition study.

**Figure B-1: 2019/2020 Average Composition of Garbage (By Weight)**



**Table B-5: Garbage Composition Results for CIF/SO 2019/2020 Waste Audits**

Item	Percent Composition By Weight Per Week (%)			
	Summer	Fall	Winter	Average
Food Waste	18.0	24.1	15.2	19.1
Soiled Tissue	4.3	4.6	5.3	4.7
Yard Waste	0.2	0.1	0.2	0.2
<b>TOTAL COMPOSTABLE ORGANICS</b>	<b>22.4</b>	<b>28.8</b>	<b>20.7</b>	<b>24.0</b>
Mixed Paper	2.6	2.3	2.1	2.4
Boxboard	1.4	1.8	1.2	1.5
Corrugated Cardboard	0.6	1.0	0.4	0.7
Aseptic/Polycoat Containers/Paper Cups	1.2	2.2	1.2	1.5
<b>Total Fibres</b>	<b>5.9</b>	<b>7.3</b>	<b>4.9</b>	<b>6.1</b>
PETE Bottles (#1)	0.5	0.8	0.3	0.5
HDPE Bottles & Jugs (#2)	0.4	0.3	0.1	0.3
Tubs & Lids (#5)	0.4	1.2	0.5	0.7
Styrofoam	0.2	0.2	0.2	0.2
Plastic Film	2.2	1.8	1.8	1.9
Mixed Plastics	0.8	0.8	1.1	0.9
<b>Total Plastics</b>	<b>4.4</b>	<b>5.0</b>	<b>4.1</b>	<b>4.5</b>
Aluminum Cans	0.1	0.2	0.2	0.2
Aluminum Foil & Trays	0.4	0.5	0.3	0.4
Steel Cans	0.2	0.4	0.1	0.2
Empty Aerosol Cans	0.1	0.0	0.1	0.1
<b>Total Metals</b>	<b>0.8</b>	<b>1.1</b>	<b>0.6</b>	<b>0.9</b>
Clear Glass	0.2	0.4	0.1	0.2
Coloured Glass	0.0	0.0	0.0	0.0
LCBO Clear Glass	0.0	0.1	0.0	0.0
LCBO Coloured Glass	0.0	0.0	0.1	0.0
<b>Total Glass</b>	<b>0.2</b>	<b>0.6</b>	<b>0.2</b>	<b>0.3</b>
<b>TOTAL RECYCLABLES</b>	<b>11.3</b>	<b>14.0</b>	<b>10.0</b>	<b>11.8</b>
<b>TOTAL DIVERTIBLE MATERIALS</b>	<b>33.7</b>	<b>42.8</b>	<b>30.7</b>	<b>35.8</b>
Pet Waste	18.4	18.0	23.4	19.9
Diapers & Sanitary Products*	ND	ND	ND	ND
Textiles	5.3	8.0	3.5	5.6
HHW (Batteries, oil, cell phones, etc.)**	0.2	0.1	0.1	0.1
Scrap Metal**	2.3	0.8	0.1	1.1
<b>TOTAL POTENTIAL DIVERTIBLES</b>	<b>26.2</b>	<b>26.9</b>	<b>27.1</b>	<b>26.7</b>
<b>Garbage</b>	<b>40.1</b>	<b>30.2</b>	<b>42.4</b>	<b>37.5</b>
<b>OVERALL TOTAL</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\*ND = No data so material included as Garbage

\*\*Depots exist at the Waste Diversion Site.

Note: Totals may not add up exactly as shown due to rounding error.

### B.6.2 Capture Rates

Capture rates provide information on how well materials are being diverted in the City's existing waste diversion programs versus being left in the regular garbage stream. The rate is calculated by dividing the weight of a material diverted (e.g. steel cans placed in the recycling box) by the sum of the weight of that material

## Appendix B – Existing Waste Management Programs

diverted plus the weight of that material found in the garbage stream (i.e., steel cans in recycling box + steel cans found in garbage). A higher capture rate means the City is doing better at recycling as opposed to throwing these divertible items into the garbage. These rates are used to determine what materials should be targeted for promotion. The overall capture rates from the 2019/2020 composition study for single family households are presented in Table 3.

**Table B-6: Capture Rates Measured for CIF/SO 2019/2020 Waste Audits**

Item	Measured Capture Rates (%)			
	Summer	Fall	Winter	Average
Food Waste	74.4	60.1	77.8	70.7
Soiled Tissue	47.0	32.9	39.1	39.6
Yard Waste	79.0	96.3	-	87.7
<b>TOTAL COMPOSTABLE ORGANICS</b>	<b>71.6</b>	<b>59.1</b>	<b>73.5</b>	<b>68.1</b>
Mixed Paper	86.0	87.4	90.3	87.9
Boxboard	89.6	84.7	91.9	88.7
Corrugated Cardboard	96.0	91.1	96.3	94.5
Aseptic/Polycoat Containers/Paper Cups	89.9	84.1	91.1	88.4
<b>Total Fibres</b>	<b>90.4</b>	<b>86.8</b>	<b>92.4</b>	<b>89.9</b>
PETE Bottles (#1)	94.2	84.9	91.8	90.3
HDPE Bottles & Jugs (#2)	85.8	79.4	91.3	85.5
Tubs & Lids (#5)	93.3	63.6	66.1	74.3
Styrofoam	77.9	63.4	65.5	68.9
Plastic Film	49.9	41.7	52.8	48.1
Mixed Plastics	80.7	73.1	73.1	75.6
<b>Total Plastics</b>	<b>73.7</b>	<b>65.2</b>	<b>71.9</b>	<b>70.3</b>
Aluminum Cans	94.6	85.1	88.5	89.4
Aluminum Foil & Trays	41.7	53.3	48.5	47.8
Steel Cans	91.6	86.6	97.2	91.8
Empty Aerosol Cans	72.7	89.8	71.5	78.0
<b>Total Metals</b>	<b>85.9</b>	<b>80.9</b>	<b>90.4</b>	<b>85.7</b>
Clear Glass	98.4	95.5	99.2	97.7
Coloured Glass	96.4	95.6	100.0	97.3
LCBO Clear Glass	100.0	80.6	100.0	93.5
LCBO Coloured Glass	100.0	96.8	87.2	94.7
<b>Total Glass</b>	<b>97.8</b>	<b>92.0</b>	<b>98.1</b>	<b>96.0</b>
<b>TOTAL RECYCLABLES</b>	<b>87.7</b>	<b>82.0</b>	<b>88.8</b>	<b>86.2</b>

### B.7 Promotion and Education Program

The City currently maintains a vigorous promotion and education program for residents of Orillia. It also develops communication plans for specific diversion programs, such as the clear garbage bag program. Promotion includes producing a collection guide/calendar, website promotion, social media (Facebook, Twitter and YouTube), newspaper advertisements, radio advertisements, issuing press releases, etc. WMAC also undertakes a fair amount of promotion and education. This program is described in the following section.

### **B.7.1 Solid Waste Collection Guide/Calendar**

The City produces and distributes a general collection guide every year to Orillia residents and businesses. Starting in 2015 with the move to every other week garbage collection, a small collection calendar is also produced. The pamphlet provides detailed information about all the City's waste minimization programs. Topics include the garbage tag program (including how to tag), general holiday collection information, Waste Diversion Site information, backyard composting, the HHW Depot, the reuse depot, the electronics recycling program, and collection information for recyclables, green bin/yard waste (including grass clippings), diapers and garbage (e.g., collection start time, weight limit, etc.). This guide is made available to new residents of the City and those visiting the Waste Diversion Site, the City Centre, and other municipal offices. The guide and collection calendar are available on the City's website.

### **B.7.2 Apartment & IC&I Promotional Material**

Many area apartments and businesses utilize the City's 360 litre recycling cart program. Promotional/educational material is made available to superintendents, property managers, and tenants of apartment buildings as well as businesses in Orillia including:

1. Apartment Recycling & Green Bin Handbook for Superintendents and Property Managers – this handbook outlines the City's recycling and green bin collection program at apartments and outlines the responsibilities of superintendents and property managers.
2. Recycling Cart/Green Bin Collection Program Flyer for Tenants and Businesses – this flyer summarizes what to include in the City's recycling cart and green bin program.
3. Posters – one poster is available for the recycling cart program and one poster is available for the green bin program. The posters contain the same information as the flyer and are meant to be placed in common areas of the apartment building such as laundry rooms, lounges, garbage storage rooms or near garbage chutes. They can also be used at businesses for staff.
4. Recycling Cart Labels – these labels are placed on all the recycling carts and have images of what to include in the cart recycling program. As new items are added to the recycling program, the carts are relabelled with new labels showing the additional item(s).

### **B.7.3 Garbage Tag Letter**

With the mailing of garbage tags each year at the end of May, a letter is included promoting the City's diversion programs and including Waste Diversion Site information. In recent years, the City's green bin/yard waste collection program was promoted. Also included was holiday collection information for those that may

not receive the local newspaper or have access to the City's website, where holiday collection schedules are posted regularly.

### **B.7.4 Newspaper Notices**

Each week in Orillia Today (a weekly local newspaper), all City notices are run as a block known as the City Hall Bulletin Board. Topics include holiday schedules, public notices regarding tipping fee changes, recycling collection, leaf collection, by-laws, locations to purchase garbage tags, electronics recycling, etc. Through the provincial Blue Box Program Plan administered by Resource Productivity and Recovery Authority, the City receives free newspaper advertising in Orillia Today to promote the City's recycling collection programs. These ads are used to promote the City's recycling box program for residents and its recycling cart program for businesses and apartments.

### **B.7.5 City Website**

Updated solid waste information is made available on the City's website. This includes the solid waste collection brochure and information about new programs, the Waste Diversion Site, the garbage tag program, the HHW Depot, apartment recycling among other items. Important media releases are also posted on this site. The website is updated and revised on an ongoing basis to keep the information current. Usage continues to increase and currently stands at over 20,000 hits per year.

A recycling tips webpage ([Orillia.ca/recyclingtips](http://Orillia.ca/recyclingtips)) continued to be promoted to the public in 2020. It provides recycling tips for a wide variety of items including materials such as mattresses, wrapping paper, and fluorescent lamps. New tips will be added on an ongoing basis.

### **B.7.6 Pingstreet**

In October 2015, a mobile app called Pingstreet was released for free download in all major app stores. The app allows users to enter their local address and get a personalized curbside collection calendar showing when their garbage, recycling, green bin and yard waste curbside pick-up day is. It even accounts for delayed collection during weeks with statutory holidays. The optional "remind me" feature notifies users of when to place items at the curb for pick up. Other tile features include transit information, an upcoming events and meetings calendar, an interactive City trails map, a contact us option, and access to the City's Twitter and Facebook accounts. The current total number of users is over 13,000.

### **B.7.7 Media Releases**

Media releases are issued for new diversion programs, cancelled collection days due to severe inclement weather (snow or ice storms), etc. Media releases allow residents to be kept informed of important solid waste management matters. In some cases, media follow-up allows for a more in-depth story.

### **B.7.8 Radio Advertisements**

Radio advertisements are used from time to time to promote the green bin program, waste reduction week, and new waste diversion programs such as adding new items to the recycling program. Local radio stations have been utilized for this purpose or stations that are known to have a fair number of local listeners.

### **B.7.9 Waste Diversion Site Tours and School Visits**

Tours of the Waste Diversion Site are available to interested groups. Information on past and present waste diversion operations at the site is provided. Solid Waste Management staff also gives talks to local service groups, apartment tenants and grade school students in Orillia about the importance of waste reduction and recycling. Appointments to talk about the City's waste diversion programs and their importance can be arranged.

A new school module program that was developed to allow students to visit the Waste Diversion Site, the Wastewater Treatment Centre and the Water Filtration Plant had to be cancelled in 2020 due to the COVID-19 pandemic. When the modules get going in the future, students will participate in various challenges to help them learn about these operations.

### **B.7.10 Problem Sticker**

A problem sticker is applied to any material not suitable for curbside collection. The sticker has a list of reasons why the waste was left behind. The driver then marks on the sticker why the waste was left behind. When waste is left behind, the collection driver informs their route supervisor, who is in touch with Administration staff. When customer complaints come in, Administration staff contact the route supervisor to address the collection complaint with the collection driver(s). This allows for prompt resolution of problems. Administration staff maintains a logbook of complaint calls.

### **B.7.11 Collection Truck Signs**

Collection truck signs are useful for promoting City waste reduction programs because they can be seen by residents as material is collected. Where possible, signs are placed on both sides of the collection trucks used in Orillia by Mid Ontario Disposal.

### **B.7.12 Promotion by the Waste Management Advisory Committee**

WMAC runs a number of promotional and educational programs and these are discussed below.

#### **Wasteline Tips**

A monthly Wasteline Tips banner is utilized in Orillia Today at the bottom of the front page in the free Thursday paper. Tips are developed jointly with City staff

## Appendix B – Existing Waste Management Programs

and WMAC, and cover all programs as well as general environmental messages. They are updated and revised on an ongoing basis, and are scheduled to reflect season, problem resolution, or new program items.

### **Farmer's Market Events**

WMAC holds Farmer's Market Events from time to time. The events are normally held in the spring. At these events, residents can exchange broken recycling boxes and pick up promotional material.

### **Parades**

When volunteers are available, WMAC utilizes two mascots – Reba and Peels – to promote the City's recycling and green bin programs at parades.

### **Other Promotion**

WMAC also runs its own waste reduction events, such as a Reuse Fair or assisting with Orillia's two Zero Waste Conferences.

# **APPENDIX C**

## **PUBLIC CONSULTATION**

1. Notices For Public Forum
  - (a) Newspaper Notice
  - (b) News Release Issued on April 21, 2021
  - (c) Newspaper Stories
  - (d) Notices to Orillia Boards & Committees
  - (e) Notice to Sustainable Orillia
  - (f) Notice to Orillia Food Committee
2. Presentation Notes for Public Forum
3. Online Survey Form

Notices ⓘ

# Waste Minimization Plan

## Survey and Virtual Public Open House

The City of Orillia is updating its five-year Waste Minimization Plan (WMP) and the Waste Management Advisory Committee wants to hear your input and ideas on the City's waste management programs and how Orillia can further reduce and divert waste and extend the life of our landfill.

Residents can provide their ideas and feedback by participating in a virtual open house on May 5, 2021 from 6 to 8 p.m. or by taking the 2021 Waste Minimization Plan Survey. For more information on the WMP or to take the survey, please visit [orillia.ca/wmac](http://orillia.ca/wmac). To register for the virtual open house, please contact Robin Cadeau at [rcadeau@orillia.ca](mailto:rcadeau@orillia.ca) or 705-329-2452.



Important Dates 📅

### Upcoming Meetings

- Monday, April 26: No Meeting
- Monday, May 3: Council Committee**
- Monday, May 10: Regular Council**
- Monday, May 17: No Meeting
- Monday, May 24: No Meeting (Victoria Day)

#### Please Note:

Council Committee and Council meetings will begin at 4 p.m. The Closed Session portion of these meetings will commence prior to 4 p.m. Meetings will be held electronically until further notice. Residents can watch regularly scheduled Council Committee and Council meetings on Rogers TV or online. Full agenda packages and the streaming link are available at [orillia.ca](http://orillia.ca). For further information contact us at 705-325-1311 or [clerks@orillia.ca](mailto:clerks@orillia.ca).

### Job Opportunities

**Project Official III - Water/Wastewater**  
Environment and Infrastructure Services Department  
Closing: April 23, 2021

**Waterfront Parking/Boat Launch Supervisor (Seasonal)**  
Development Services and Engineering Department  
Closing: April 23, 2021

**Administrative Support - Human Resources**  
Human Resources Department  
Closing: April 23, 2021

**Summer Clerical Student**  
Corporate Services Department - Clerk's Division  
Closing: April 23, 2021

**Waste Diversion Site Attendant (Part-Time)**  
Environment and Infrastructure Services Department

## Notice of Complete Applications Re: Official Plan Amendment and Zoning By-Law Amendment

**TAKE NOTICE** that the City of Orillia deemed the following applications for an Official Plan Amendment and Zoning By-law Amendment as "Complete" applications under Subsection 22 & 34 of the *Planning Act* on the 24<sup>th</sup> day of March, 2021:

<b>Owner:</b>	The County of Simcoe	<b>Application No.:</b>	D09-204 & D14-898
<b>Agent:</b>	Rachelle Hamelin	<b>Subject Property:</b>	2 Borland Street East

#### Location Map:



The subject property is designated "Living Area – Intensification Area" and "Living Area – Stable Neighbourhood" in the City's Official Plan and is currently zoned "Institutional One (School Zone) (Holding Two)" (I1-(H2)) under the City's Zoning By-law 2014-44, as amended.

#### Purpose and Effect:

The purpose and effect of the proposed Official Plan Amendment and Zoning By-law

Notices

# Waste Minimization Plan Survey and Virtual Public Open House

The City of Orillia is updating its five-year Waste Minimization Plan (WMP) and the Waste Management Advisory Committee wants to hear your input and ideas on the City's waste management programs and how Orillia can further reduce and divert waste and extend the life of our landfill.

**Virtual Open House: May 5, 2021 from 6 to 8 p.m.**

To register contact Robin Cadeau at rcadeau@orillia.ca or 705-329-2452.



Important Dates

## Upcoming Meetings

- Monday, May 3: Council Committee
- Monday, May 10: Regular Council
- Monday, May 17: No Meeting
- Monday, May 24: No Meeting (Victoria Day)
- Monday, May 31: Council Committee

### Please Note:

Council Committee and Council meetings will begin at 4 p.m. The Closed Session portion of these meetings will commence prior to 4 p.m. Meetings will be held electronically until further notice. Residents can watch regularly scheduled Council Committee and Council meetings on Rogers TV or online. Full agenda packages and the streaming link are available at [orillia.ca](http://orillia.ca). For further information contact us at 705-325-1311 or [clerks@orillia.ca](mailto:clerks@orillia.ca).

## Job Opportunities

- Program Instructor**  
Corporate Services Department - Recreation and Youth Services Division  
Closing: April 30, 2021
- Sustainability Coordinator (18-Month Contract)**  
Environment and Infrastructure Services Department  
Closing: May 3, 2021
- Administrative Support (Part-Time)**  
Environment and Infrastructure Services Department  
Closing: May 7, 2021
- Supervisor, Sustainable Operations**  
Environment and Infrastructure Services Department  
Closing: May 7, 2021
- Head Lifeguard/Head Instructor- Aquatics (Fall 2021)**  
Corporate Services Department - Recreation and Youth Services Division

Save time by signing up for pre-authorized payment plans for your water and property tax bills. Visit [orillia.ca](http://orillia.ca) for details.

## Sign Regulation

Did you know that signs advertising "we buy houses" are not permitted on City property as per Chapter 832 – Sign Regulation?

The City is seeking the public's assistance in curbing the installation of these signs on City property. If you have any information that could assist the City's By-law Enforcement staff with this issue and identifying those responsible for installing the signs, such as a vehicle description, you are asked to contact the By-law office at 705-325-2313 or [by-law@orillia.ca](mailto:by-law@orillia.ca).

## Garbage Tags: Next Mailing

The City will mail the next set of 20 garbage tags at the beginning of June. These tags are your allotment to cover the period from July 1, 2021 to June 30, 2022.

Additional garbage tags can be purchased at the Orillia City Centre (50 Andrew St. S.) by appointment, the Waste Diversion Site (100 Kitchener St.), and at the following retail stores:



---

## Have your say on the City's Waste Minimization Plan

**For immediate release (April 21, 2021)** – The City of Orillia and its Waste Management Advisory Committee invite Orillia residents to share their ideas on minimizing waste and provide input into the development of the City's 2021 Waste Minimization Plan (WMP) through a virtual open house and online survey.

Residents are encouraged to sign up for the virtual open house scheduled for May 5, 2021 at 6 p.m. to join the discussion regarding waste minimization. Participants must pre-register by emailing their contact information to [rcadeau@orillia.ca](mailto:rcadeau@orillia.ca) by May 5, 2021 at noon. Residents can also learn about potential goals and strategies of the plan and provide their input by submitting written comments or completing an online survey at [orillia.ca/wmac](http://orillia.ca/wmac) between April 21 and May 12, 2021.

“By taking action and achieving the recommendations and targets outlined in the last Waste Minimization Plan, Orillia has continued to demonstrate its commitment and progressive position related to environmental stewardship,” said Mayor Steve Clarke. “As part of our strategic plan, a healthy environment was identified as a key priority by the community and Council. With input and feedback from residents, planning for change and improvements in all areas of waste management and diversion will help to evolve our City services to meet environmental and sustainability challenges as we grow and will ensure that Orillia remains a leader in the province.”

The WMP considers ways the City can reduce waste and increase waste diversion from its landfill site over the next five years and sets out a number of recommendations to help the City meet its diversion goals and milestones. Every five years the City updates the plan to develop new strategies to reduce waste, increase diversion and develop opportunities to consider waste as a resource in a circular economy while demonstrating leadership in sustainability.

The feedback collected during the consultation period will be used to develop the framework for the new WMP, which will be presented to Council in June.

“We want to thank all the members of our community for taking time to provide their input for updating Orillia's Five-Year Waste Minimization Plan,” said Greg Preston, Manager of Environmental Services. “The feedback we receive will help us shape the recommendations and goals in the near future to help ensure we minimize what is landfilled at Orillia's Waste Diversion Site.”

Orillia has developed four Waste Minimization Plans since 1992, covering all aspects of waste reduction and diversion. Under previous plans, the City has expanded its recycling programs, initiated a green bin collection program and every other week garbage collection, and most recently, the City approved a clear garbage bag program, increasing the City's waste diversion rate from 52% in 2006 to approximately 64% in 2020.

To learn more about Orillia's WMP and the opportunities to have your say on waste minimization in Orillia, please visit [orillia.ca/wmac](http://orillia.ca/wmac).



## NEWS RELEASE

---

Greg Preston  
Manager of Environmental Services  
705-325-2444  
[gpreston@orillia.ca](mailto:gpreston@orillia.ca)

Waste Management Advisory Committee  
c/o Robin Cadeau, Assistant Clerk  
705-329-2452  
[rcadeau@orillia.ca](mailto:rcadeau@orillia.ca)

Jennifer Ruff  
Director of Business Development and  
Communications  
705-325-8929  
705-238-9209 (cell)  
[jruff@orillia.ca](mailto:jruff@orillia.ca)



HOME > LOCAL NEWS

# Want to talk trash? City seeks input on its waste plans

City to hold virtual open house, offer online survey allowing residents to share their ideas on minimizing waste

Apr 22, 2021 7:30 AM By: OrilliaMatters Staff



*The city is looking for feedback into its five-year waste management strategy. Dave Dawson/OrilliaMatters*

NEWS RELEASE

CITY OF ORILLIA

\*\*\*\*\*

The City of Orillia and its Waste Management Advisory Committee invite Orillia residents to share their ideas on minimizing waste and provide input into the development of the city's 2021 Waste Minimization Plan (WMP) through a virtual open house and online survey.

Residents are encouraged to sign up for the virtual open house scheduled for May 5, 2021 at 6 p.m. to join the discussion regarding waste minimization. Participants must pre-register by emailing their contact information to [rcadeau@orillia.ca](mailto:rcadeau@orillia.ca) by May 5, 2021 at noon.

Residents can also learn about potential goals and strategies of the plan and provide their input by submitting written comments or completing an online survey at [orillia.ca/wmac](http://orillia.ca/wmac) between April 21 and May 12, 2021.

“By taking action and achieving the recommendations and targets outlined in the last Waste Minimization Plan, Orillia has continued to demonstrate its commitment and progressive position related to environmental

stewardship,” said Mayor Steve Clarke.

“As part of our strategic plan, a healthy environment was identified as a key priority by the community and Council. With input and feedback from residents, planning for change and improvements in all areas of waste management and diversion will help to evolve our city services to meet environmental and sustainability challenges as we grow and will ensure that Orillia remains a leader in the province,” said Clarke.

The WMP considers ways the city can reduce waste and increase waste diversion from its landfill site over the next five years and sets out a number of recommendations to help the city meet its diversion goals and milestones.

Every five years the city updates the plan to develop new strategies to reduce waste, increase diversion and develop opportunities to consider waste as a resource in a circular economy while demonstrating leadership in sustainability.

Advertisement

The feedback collected during the consultation period will be used to develop the framework for the new WMP, which will be presented to Council in June.

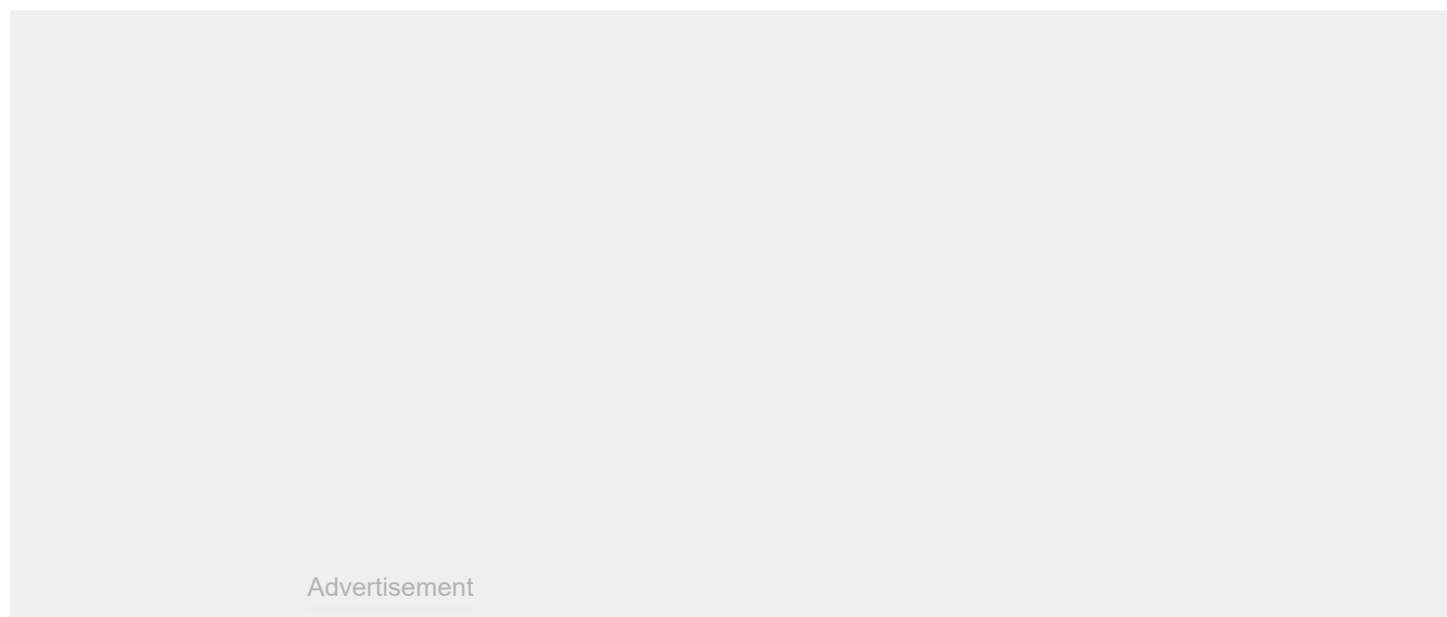
“We want to thank all the members of our community for taking time to provide their input for updating Orillia’s Five-Year Waste Minimization Plan,” said Greg Preston, Manager of Environmental Services. “The feedback we receive will help us shape the recommendations and goals in the near future to help ensure we minimize what is landfilled at Orillia’s Waste Diversion Site.”

Orillia has developed four Waste Minimization Plans since 1992, covering all aspects of waste reduction and diversion. Under previous plans, the city has expanded its recycling programs, initiated a green bin collection program and every other week garbage collection, and most recently, the city approved a clear garbage bag program, increasing the city’s waste diversion rate from 52 per cent in 2006 to approximately

64 per cent in 2020.

To learn more about Orillia's WMP and the opportunities to have your say on waste minimization in Orillia, [click here](#).

\*\*\*\*\*



This has been shared 17 times



This story was important to me or our community:

[view results >](#)



Not Very



Slightly



Fairly



Very



Extremely

## More Local News



146 new COVID cases in region since Friday, two in Orillia

## LOCAL SALES AND SPECIAL OFFERS

---

Get a Free Community Hub Program with any annual display package.

---

[VIEW ALL OFFERS >](#)

[POST YOUR OWN OFFER >](#)

### News

[Local News](#)  
[Local Sports](#)  
[Arts and Entertainment](#)  
[Police Beat](#)  
[Local News Map](#)  
[Videos](#)  
[Midland News](#)  
[Beyond Local](#)  
[Canada](#)  
[National Business](#)  
[World News](#)

### More

[Events Calendar](#)  
[Weather](#)  
[Spotlight](#)  
[Inspire](#)  
[Rooted](#)  
[Adopt Me](#)  
[Postcard Memories](#)  
[Orillia's Insurance Hotline](#)  
[Gas Prices](#)  
[Garage Sales](#)  
[Horoscopes](#)  
[Comics](#)  
[Games \(like Crosswords\)](#)  
[Dear Abby](#)

### Obits

### Flyers

### Shop

[Local Business Directory](#)  
[Flyers](#)  
[Autos](#)  
[Beauty and Fashion](#)  
[Financial Services](#)  
[Funeral and Estate](#)

### Classifieds

[All Classifieds](#)  
[Post a Free Ad](#)  
[Items for Sale](#)  
[Garage Sales](#)  
[Jobs](#)  
[Events](#)  
[My Account](#)

### Jobs

### Homes

[All Listings and Resources](#)  
[Real Estate Brokerages](#)  
[Commercial Space](#)  
[Apartments](#)  
[Waterfront Property](#)  
[Houses For Sale](#)  
[Open Houses](#)

### Connect

[Join OrilliaMatters+](#)  
[Support Local News](#)  
[Our Supporters](#)  
[My Account](#)  
[Daily Headlines by Email](#)  
[Follow Us on Facebook](#)  
[Follow Us on Twitter](#)

### Auto

### About

[About Us](#)  
[Advertising](#)  
[Media Kit](#)  
[Community Guidelines](#)  
[Contact Us](#)  
[Terms of Service](#)  
[Privacy Policy](#)  
[Journalistic Principles and Practices](#)  
[Community Leaders Program](#)  
[Reader Favourites](#)  
[Contest Rules](#)

[Village Media](#)



### Visit our network of sites:

[BarrieToday.com](#)  
[BayToday.ca](#)  
[BradfordToday.ca](#)  
[CanadaFlyers.ca](#)  
[CollingwoodToday.ca](#)  
[ElliotLakeToday.com](#)  
[GuelphToday.com](#)  
[InnisfilToday.ca](#)  
[MidlandToday.ca](#)  
[NewmarketToday.ca](#)  
[Northern Ontario Business](#)  
[OntarioFlyers.ca](#)  
[OrilliaMatters.com](#)  
[SooToday.com](#)  
[Sudbury.com](#)  
[The Longmont Leader](#)  
[ThoroldToday.ca](#)  
[TimminsToday.com](#)  
[AlimoshoToday.com](#)

### Partner sites:

[AirdrieToday.com](#)  
[Alberta Prime Times](#)  
[CityNews Ottawa](#)  
[CochraneToday.ca](#)  
[HalifaxToday.ca](#)  
[KitchenerToday.com](#)  
[LakelandToday.ca](#)  
[MooseJawToday.com](#)  
[Mountain View Today](#)  
[Okotoks Today](#)  
[PrinceGeorgeMatters.com](#)  
[RMO Today](#)  
[StAlbertToday.ca](#)

Planning  
Food  
Government and Education  
Health and Wellness  
Home Improvement  
Professional Services  
Real Estate  
Recreation  
Shopping and Specialty  
Stores

TBNewsWatch.com  
Town and Country Today  
Vancouver is Awesome

© 2021 OrilliaMatters.com

# Orillia Seeking Public Input On Waste Minimization Plan

Laura Hampshire

May 5, 2021 | 7:49 AM

The City of Orillia and its Waste Management Advisory Committee invite Orillia residents to share their ideas on minimizing waste and provide input into the development of the City's 2021 Waste Minimization Plan (WMP) through a virtual open house and online survey.

Residents are encouraged to sign up for the virtual open house scheduled for 6 p.m. Wednesday (May 5) to join the discussion regarding waste minimization.

Residents can also learn about potential goals and strategies of the plan and provide their input by submitting written comments or completing an online survey by [clicking here](#) between April 21 and May 12, 2021.

*“By taking action and achieving the recommendations and targets outlined in the last Waste Minimization Plan, Orillia has continued to demonstrate its commitment and progressive position related to environmental stewardship,” said Mayor Steve Clarke. “As part of our strategic plan, a healthy environment was identified as a key priority by the community and Council. With input and feedback from residents, planning for change and improvements in all areas of waste management and diversion will help to evolve our City services to meet environmental and sustainability challenges as we grow and will ensure that Orillia remains a leader in the province.”*

The WMP considers ways the City can reduce waste and increase waste diversion from its landfill site over the next five years and sets out a number of recommendations to help the City meet its diversion goals and milestones. Every five years the City updates the plan to develop new strategies to reduce waste, increase diversion and develop opportunities to consider waste as a resource in a circular economy while demonstrating leadership in sustainability.

The feedback collected during the consultation period will be used to develop the framework for the new



WMP, which will be presented to Council in June.

For more details, [please click here](#).

 Like 1

[Tweet](#)

---

**Recommended for You**

**From:** [Robin Cadeau](#)  
**To:** [Greg Preston](#)  
**Subject:** FW: Orillia Boards and Committees: Invitation to Waste Minimization Plan - Virtual Open House  
**Date:** April-30-21 5:32:09 PM  
**Attachments:** [image009.jpg](#)  
[image010.jpg](#)  
[image011.jpg](#)  
[image012.jpg](#)

---

FYI – Bulk email sent out to our active volunteers – see below.

**Robin Cadeau | Assistant Clerk**

Corporate Services Department

Clerk's Division

**T:** 705-329-2452

[orillia.ca](http://orillia.ca)

---

**From:** Robin Cadeau <[RCadeau@orillia.ca](mailto:RCadeau@orillia.ca)>

**Sent:** April-30-21 5:31 PM

**To:** Robin Cadeau <[RCadeau@orillia.ca](mailto:RCadeau@orillia.ca)>

**Subject:** Orillia Boards and Committees: Invitation to Waste Minimization Plan - Virtual Open House

Hello Members of City of Orillia Boards and Committees,

You are receiving this email to advise you that a Virtual Open House to hear public input into the next 5-year Waste Minimization Plan for the City is scheduled for Wednesday, May 5, 2021 from 6 to 8 p.m. Please see related information and details at [www.orillia.ca/wmac](http://www.orillia.ca/wmac). Members are invited to complete the 2021 WMP Survey found there as well.

To participate at the Open House, you must pre-register by sending an email providing your name and a phone number to me by Noon on May 5. I will acknowledge the email, and on the afternoon of May 5, I will provide the GoTo meeting link and guidelines for participating by email.

Please share this to any Orillia residents that you believe may have an interest.

Kind regards,



**Robin Cadeau | Assistant Clerk**

Corporate Services Department

Clerk's Division

**T:** 705-329-2452

[orillia.ca](http://orillia.ca)



This message is intended for the individual to whom it is addressed and may contain information that is confidential and

exempt from disclosure under the Municipal Freedom of Information and Protection of Privacy Act. If you are not the intended recipient, please do not forward, copy or disclose this message to anyone and delete all copies and attachments received. If you have received this communication in error, please notify the sender immediately.

Individuals who submit letters and other information to Council should be aware that any personal information contained within their communications may become part of the public record and may be made available through the Council agenda process which includes publication on the City's website.

## Greg Preston

---

**From:** Robin Cadeau  
**Sent:** April-23-21 1:45 PM  
**To:** Stan & Sophie Mathewson; info@sustainableorillia.ca  
**Cc:** Greg Preston; Peter Gumbrell  
**Subject:** Sustainable Orillia - Invitation to WMP Virtual Open House

**Importance:** High

Hello Stan and Members of Sustainable Orillia,

This is to advise you that the Virtual Open House to hear public input into the next 5-year Waste Minimization Plan for the City is scheduled for Wednesday, May 5, 2021 from 6 to 8 p.m. Please see related information and details at [www.orillia.ca/wmac](http://www.orillia.ca/wmac). Members are invited to complete the 2021 WMP Survey found there as well.

For the Open House, all participants must pre-register by sending an email providing their name and a phone number to me by Noon on May 5. I will acknowledge the email, and on the afternoon of May 5, I will provide the GoTo meeting link and guidelines for participating by email.

I trust you will share this to the Sustainable Orillia Board and appropriate sectors. I am happy to answer any questions you may have.

Kind regards,



**Robin Cadeau | Assistant Clerk**  
Corporate Services Department  
Clerk's Division  
T: 705-329-2452  
orillia.ca



This message is intended for the individual to whom it is addressed and may contain information that is confidential and exempt from disclosure under the Municipal Freedom of Information and Protection of Privacy Act. If you are not the intended recipient, please do not forward, copy or disclose this message to anyone and delete all copies and attachments received. If you have received this communication in error, please notify the sender immediately.

*Individuals who submit letters and other information to Council should be aware that any personal information contained within their communications may become part of the public record and may be made available through the Council agenda process which includes publication on the City's website.*

## Greg Preston

---

**From:** Robin Cadeau  
**Sent:** April-23-21 1:48 PM  
**To:** Rebecca Zanussi; Dan Landry  
**Cc:** Greg Preston; Peter Gumbrell  
**Subject:** Orillia Food Committee - Invitation to WMP Virtual Open House

**Importance:** High

Hello Dan, Rebecca and Members of the Orillia Food Committee,

This is to advise you that the Virtual Open House to hear public input into the next 5-year Waste Minimization Plan for the City is scheduled for Wednesday, May 5, 2021 from 6 to 8 p.m. Please see related information and details at [www.orillia.ca/wmac](http://www.orillia.ca/wmac). Members are invited to complete the 2021 WMP Survey found there as well.

For the Open House, all participants must **pre-register by sending an email providing their name and a phone number to me by Noon on May 5**. I will acknowledge the email, and on the afternoon of May 5, I will provide the GoTo meeting link and guidelines for participating.

Members are welcomed to share the invitation. Please contact me with any questions you may have.  
Kind regards,



**Robin Cadeau | Assistant Clerk**  
Corporate Services Department  
Clerk's Division  
T: 705-329-2452  
[orillia.ca](http://orillia.ca)



This message is intended for the individual to whom it is addressed and may contain information that is confidential and exempt from disclosure under the Municipal Freedom of Information and Protection of Privacy Act. If you are not the intended recipient, please do not forward, copy or disclose this message to anyone and delete all copies and attachments received. If you have received this communication in error, please notify the sender immediately.

*Individuals who submit letters and other information to Council should be aware that any personal information contained within their communications may become part of the public record and may be made available through the Council agenda process which includes publication on the City's website.*

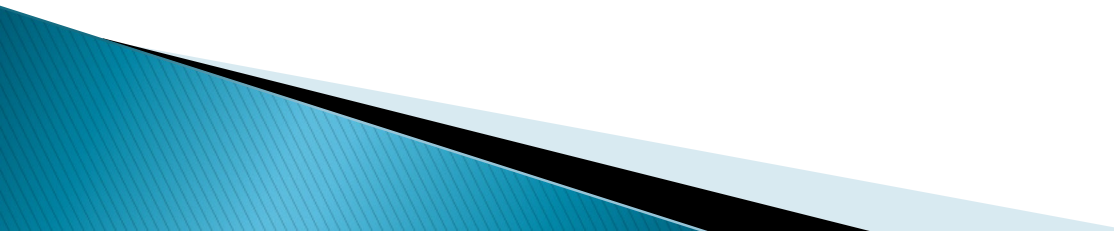


# 2021 Waste Minimization Plan

Greg Preston, Manager of Environmental Services

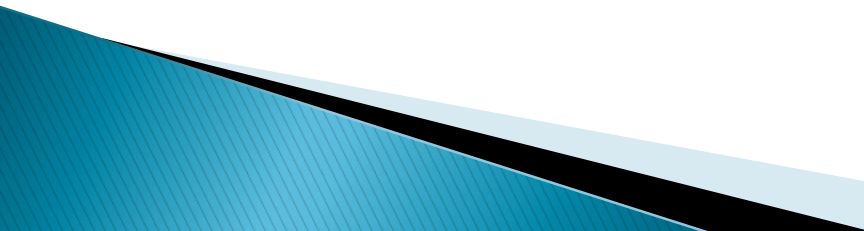
Environment and Infrastructure Services Department

# Presentation Overview

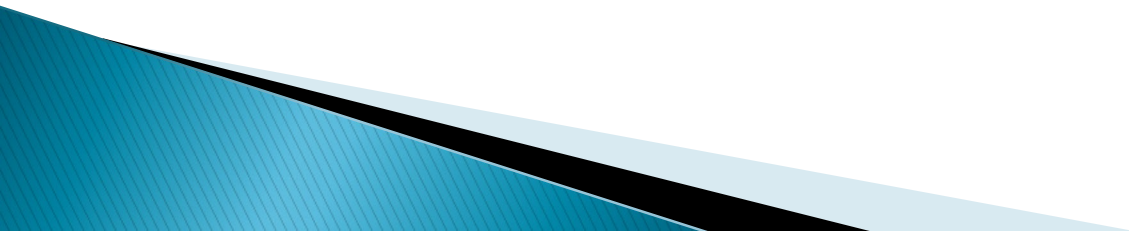
- ▶ Background
  - ▶ 2016 Waste Minimization Plan Implementation
  - ▶ Existing Waste Diversion Programs
  - ▶ Current Diversion & Opportunities
  - ▶ 2021 Waste Minimization Plan
  - ▶ Summary
- 

# Background

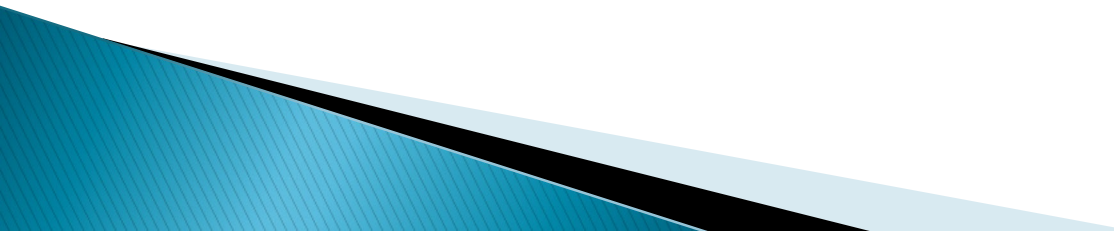
# Background

- ▶ Waste Diversion Site (landfill) originally opened in 1967.
  - ▶ Since 1989, the City has implemented a large number of diversion programs.
  - ▶ The City has developed a number of waste minimization plans to guide our diversion efforts – last one was developed in 2016.
  - ▶ A new plan is under development.
  - ▶ The Waste Management Advisory Committee is assisting with obtaining public feedback.
- 

# **2016 Waste Minimization Plan Implementation**



# 2016 WMP Implementation

- ▶ 22 recommendations were put forth.
  - ▶ Most were addressed, but some were put forward to this new 2021 plan (e.g., Recommendation 22 – Consider an incentive program to encourage waste diversion).
- 

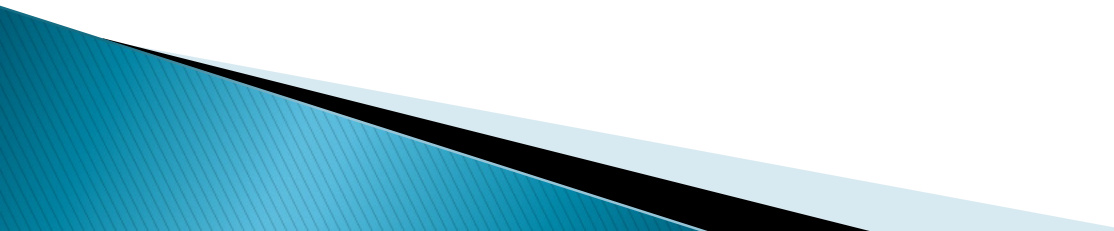
# 2016 WMP Implementation

- ▶ Recommendations implemented that resulted in (or will result in) increase in diversion from Orillia's Waste Diversion Site (WDS) include:
  - Clear garbage bag program – begins February 2022;
  - Reuse Depot at the WDS expanded in 2018 to include household items;
  - New Rigid Plastics (Internal) Depot at the WDS started in 2018;
  - Garbage tags allotted to households reduced from 25 to 20 tags per year in 2017; and
  - Paper Yard Waste Bag program began in 2017 (less plastic waste and faster fall leaf collection service).

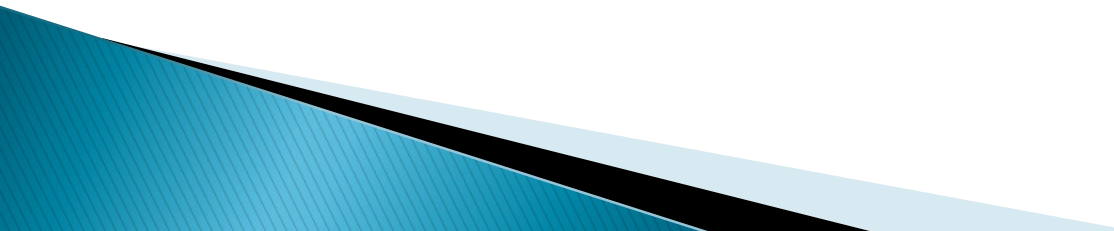
# 2016 Waste Minimization Plan Performance Results

2016 Plan Item	2015 Baseline Results	2016 Plan Target for 2020	Performance Results (based on 2019/2020 Audits & 2020 data)
Recycling Capture Rate	85%	90%	86.2%
Green Bin Organics Capture Rate	40%	65%	71%
Overall Waste Diversion Rate	62%	70%	64%
Curbside Diversion Rate	61%	70%	64%
Waste Generated Per Capita	213 kg/ person/yr	190 kg/ person/yr	173 kg/person/yr

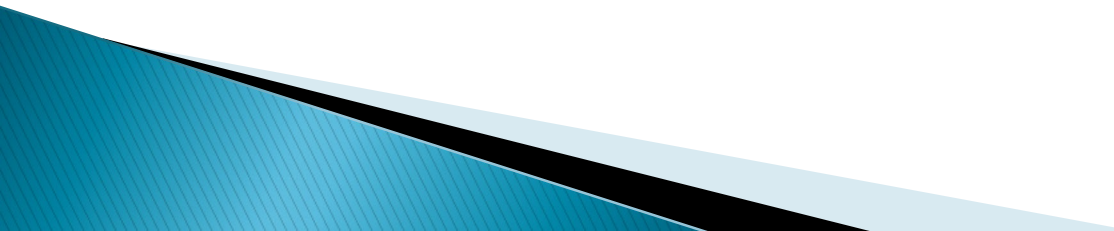
# Existing Waste Diversion Programs

- ▶ Waste Collection Programs
  - ▶ Waste Diversion Site Depots
  - ▶ Stewardship Programs
  - ▶ Current Diversion Data
- 

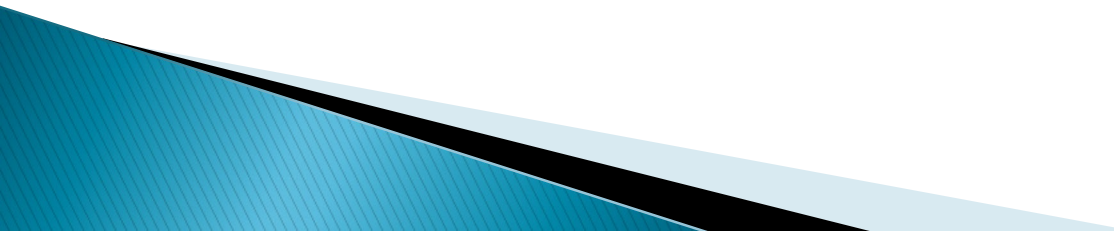
# Collection Programs

- ▶ Garbage Tag Program
  - ▶ Recycling Box
  - ▶ Green Bin/Yard Waste
- 

# Garbage Tag Program

- ▶ Started in 1997.
  - ▶ All garbage bags, cans and bundles must have a garbage tag attached for collection.
  - ▶ Residents mailed an annual allotment of tags.
  - ▶ Additional tags cost \$2.00 each.
  - ▶ Tags allotted have decreased over the years as diversion programs have improved.
  - ▶ Recognized as a municipal best practice.
- 

# Garbage Tag Program

- ▶ 1997 – 52 tags/year provided.
  - ▶ 2000 – Reduced to 40 tags/year provided.
  - ▶ 2010 – Reduced to 30 tags/year provided.
  - ▶ 2016 – Reduced to 25 tags/year.
  - ▶ 2017 – Reduced to 20 tags/year.
- 

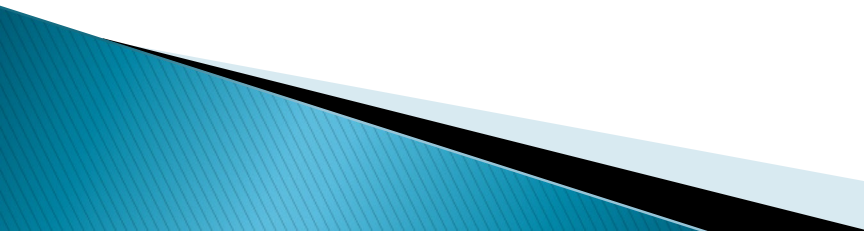
# Garbage Tag Program

- ▶ Other Program Changes:
  - 2015 – City moved to every other week garbage collection while maintaining weekly collection of recycling and green bin/yard waste.
  - City saw a 19% drop in the amount of garbage collected in the first full year after this change.
  - 2022: City moving to a clear garbage bag program to encourage recycling. Visit **[Orillia.ca/clearbag](https://www.orillia.ca/clearbag)** for more details.

# Recycling Box Collection

- ▶ No garbage tag required.
- ▶ Program started in 1989.
  - Included: newspaper, PET plastic soft drink bottles, glass bottles and jars, steel & aluminum cans.
- ▶ 1992 – Corrugated cardboard added.
- ▶ 1993 – Boxboard, mixed paper, magazines, telephone books, HDPE plastic jugs, plastic bags, styrofoam, aluminum trays & foil added.
- ▶ 1995 – Empty paint cans added.

# Recycling Box Collection

- ▶ 2000 – Plastic tubs/lids added.
  - ▶ 2004 – Milk/juice cartons & drink boxes added.
  - ▶ 2006 – No need to remove envelope windows.
  - ▶ 2007 – Gift wrap accepted (non foil coated).
  - ▶ 2008 – Fibre Box program introduced.
  - ▶ 2010 – Empty spray cans, plastic trays, and paper cups added.
  - ▶ 2014 – Curbside collection of spent household batteries (now run once per year in November).
- 

# Recycling Box Collection

## PAPER



## CONTAINERS



# Where Does It Go?

- ▶ Material Recovery Facility where items are sorted and baled.
- ▶ From here, the bales are shipped to various markets (paper mills, steel mills, plastics recyclers, etc.).

# Materials Recovery Facility



# Materials Recovery Facility



# Materials Recovery Facility



# Materials Recovery Facility



# Materials Recovery Facility



# Green Bin/Yard Waste

- ▶ No garbage tag required except for grass clippings (encourages grass cycling).
  - ▶ Collection started in 1993.
  - ▶ Collection began running year-round in 2004.
  - ▶ 2008/2009 – green bins delivered to residents.
  - ▶ 2013 – green bins delivered to apartments.
  - ▶ 2014 – cooked meat/dairy added to green bin program.
- 

# Green Bin/Yard Waste

## FOOD SCRAPS



## YARD WASTE



# Co-Collection Truck



Compartment  
for garbage

Compartment  
for green bin &  
yard waste

# Compost Site



Incoming Compost Feedstock

Composting process  
lasts about 8 months



Aerating the compost windrows

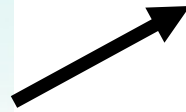


Screening finished product for sale

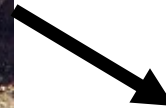
# Waste Diversion Site Depots

- ▶ Primary operation at landfill is diversion. It's a team effort!
- ▶ Landfill renamed Waste Diversion Site in 1999 to account for this.
- ▶ 15 diversion depots have been set up since 1990.
- ▶ Mixed loads containing divertible materials are charged double the tipping fee (or \$350/tonne) if not separated.

# Asphalt & Concrete



**Crushed for reuse**



**Rebar recycled**

# Brush & Other Wood



→ **Compost**



→ **Cover Fill**

# Household Hazardous Waste & Electronics Depot



# Reuse Depot



# Gypsum Drywall



# Refrigeration Equipment



# Scrap Metal



# Shingles



# Tires



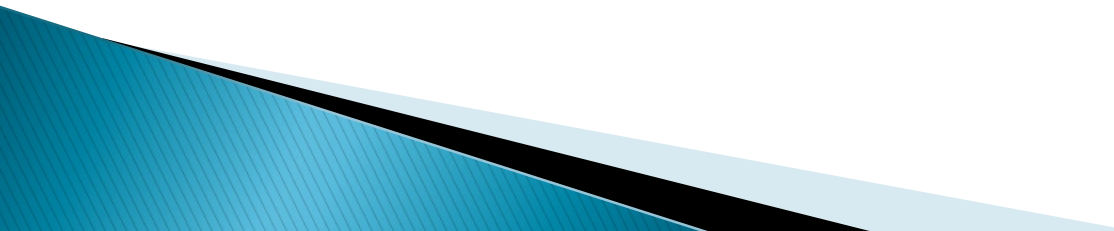
**Rubberized Sidewalk  
made from tires**

(Brantford, ON; Source: OTS)

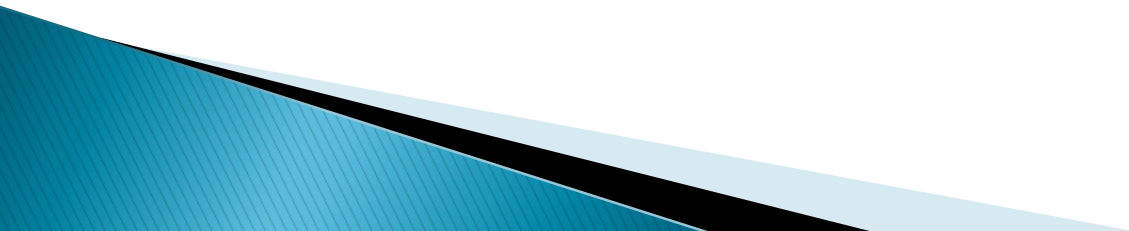
# Mattresses



# Stewardship Programs

- ▶ Greater move provincially to full extended producer responsibility (EPR) through the *Waste-Free Ontario Act*.
  - ▶ If industry is responsible for end-of-life management of their products through EPR, they have a strong incentive to design products that can more easily be recycled.
  - ▶ Eventually, producers will be fully responsible for meeting target recovery rates for designated products and packaging.
- 

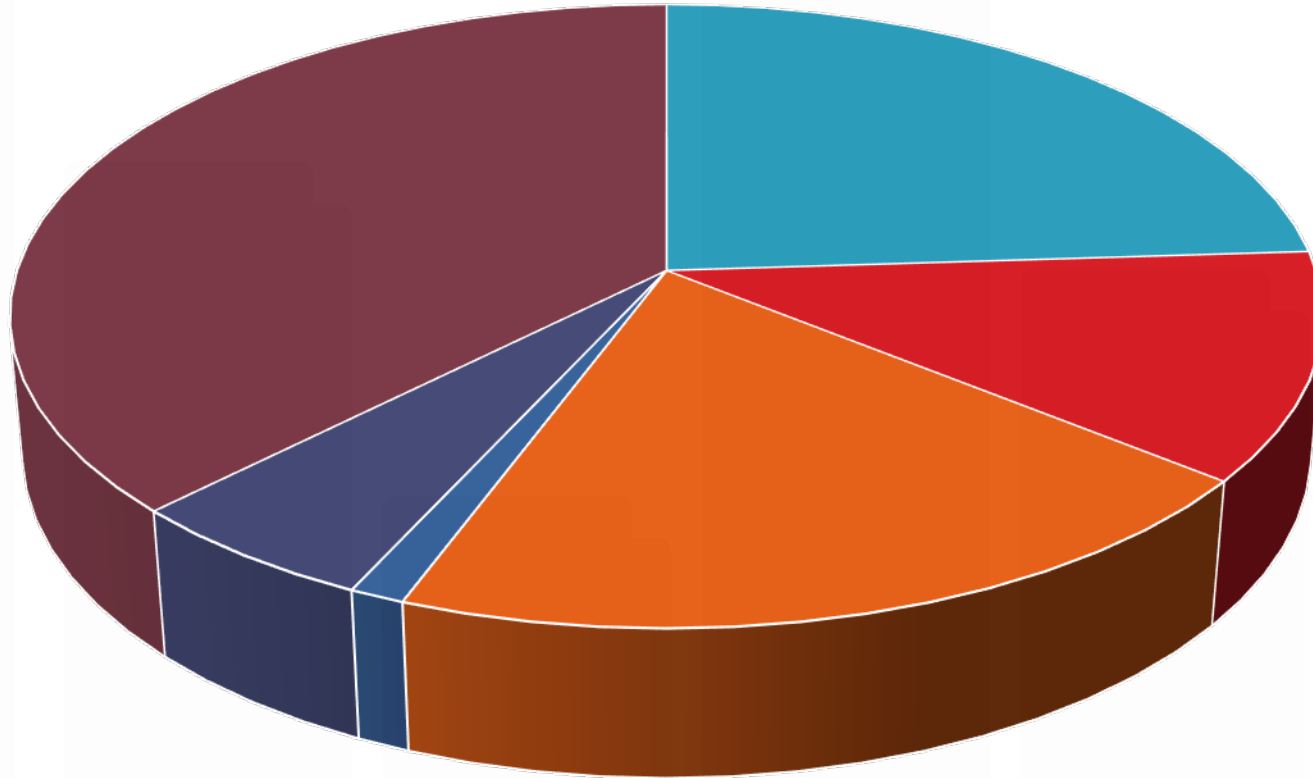
# **Current Diversion & Opportunities**



# Current Diversion Rate

- ▶ Current overall diversion rate stands at approximately 64%.

## 2019/2020 Composition of Garbage



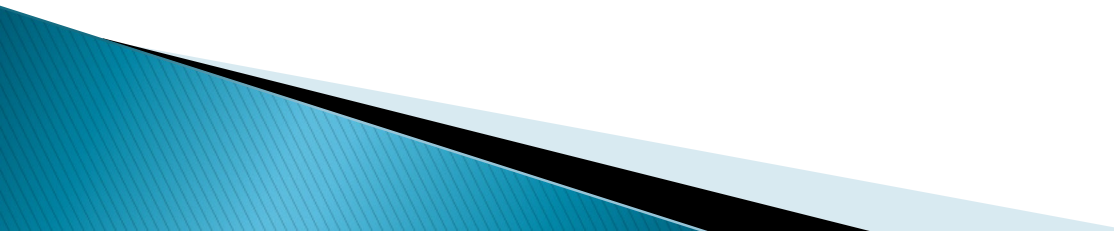
- Compostable Organics
- Recyclables
- Pet Waste
- Divertible at Waste Diversion Site
- Textiles
- Garbage

# Diversion Opportunities

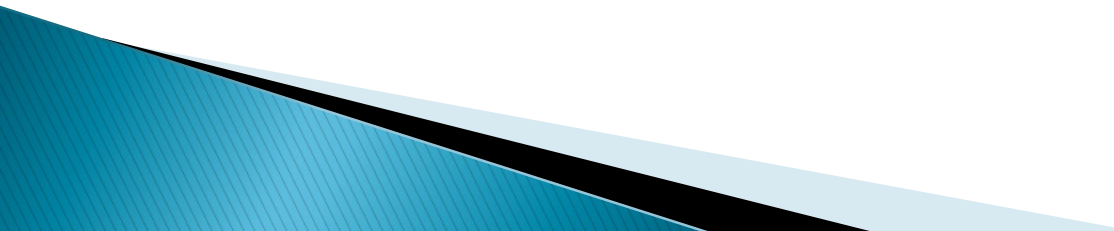
- ▶ Currently almost 36% of garbage put out for collection could be diverted in the City's existing recycling & green bin/yard waste collection programs
- ▶ Low hanging fruit for potential diversion includes:
  - Pet waste
  - Textiles
  - Disposable Diapers

# **2021 Waste Minimization Plan (WMP)**

# Purpose of 2021 WMP

- ▶ Minimize waste disposal at landfill
  - ▶ New and improved diversion programs
  - ▶ Regulatory requirement
- 

# Draft Statement of Goals

1. All waste received at the landfill will be sorted.
  2. No toxic substances will be landfilled.
  3. No re-usable, recyclable or compostable materials will be landfilled.
  4. Increase waste diversion and encourage waste reduction through the City's curbside collection programs and diversion depots at the Waste Diversion Site following the waste management hierarchy of waste reduction, reuse and recycling.
- 

# Draft Statement of Goals

5. Endorse zero waste principles of shifting the cost of waste from taxpayers to producers through Extended Producer Responsibility.

Others welcome



# Draft Statement of Objectives

1. Reduce the waste (garbage) generated per person rate by 10% by the end of 2025.
2. Increase the overall waste diversion rate to 75% and maintain this by 2025.
3. Increase the curbside diversion rate to 75% by 2025
4. Increase the overall capture rate of green bin organics from single family households and multi-family buildings to 85% by 2025

# Draft Statement of Objectives

6. Increase the overall capture rate for residential recycling box materials collected to 90% by the end of 2025
7. Endorse provincial/federal initiatives that shift the cost of waste from taxpayers to producers through Extended Producer Responsibility and deposit return.

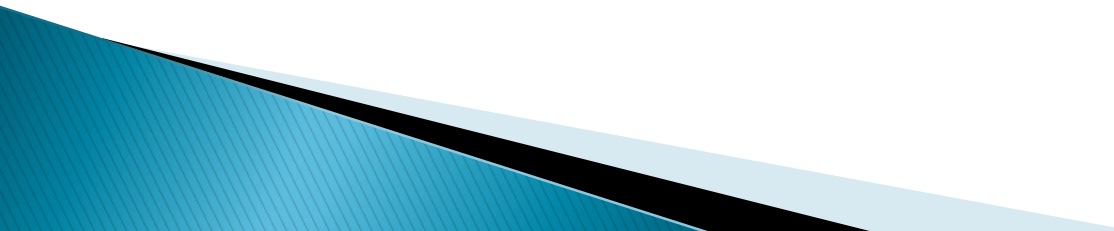
Others welcome



# Draft Plan Recommendations

- ▶ Some recommendations being considered for future consideration in the 2021 Plan include:
  - Full user pay for garbage collection
  - Pet waste recycling
  - Textile recycling
  - Disposable diaper recycling
  - Look at new diversion depots at the Waste Diversion Site
  - Lobby upper level governments for Extended Producer Responsibility & deposit return programs.

# Your Feedback for WMP

- ▶ We want your ideas!!
  - ▶ Go to **Orillia.ca/wmac** and take the survey.
  - ▶ The survey is open from April 21 to May 12, 2021 at midnight.
  - ▶ All completed surveys and written comments will then be compiled for a comprehensive report to Council by the end of June 2021.
- 

# Summary

# Summary

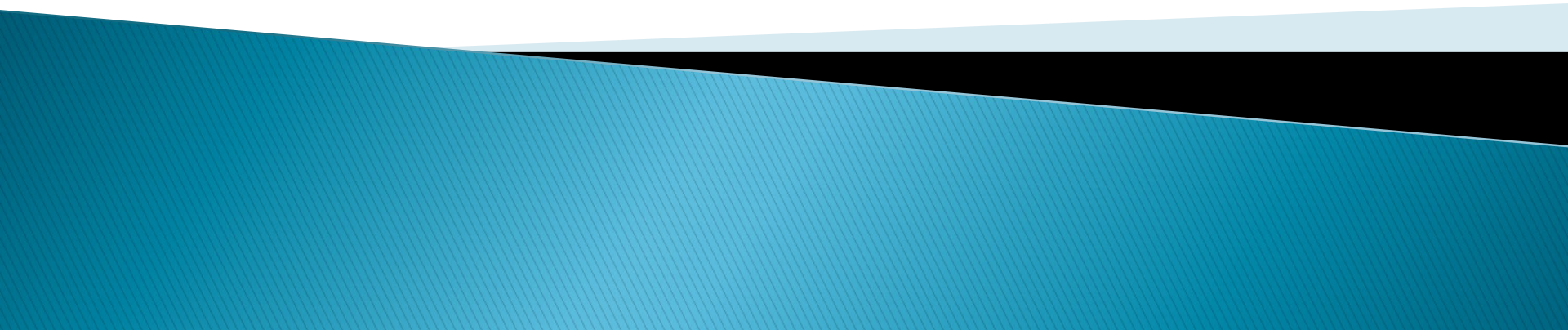
- ▶ City is developing a five-year waste minimization plan
- ▶ Orillia has come a long way with its diversion programs.
- ▶ Your input is requested to help move this forward even further. Go to **Orillia.ca/wmac**

**Thank you for your  
attention!**

**Questions?**

E-mail: [gpreston@orillia.ca](mailto:gpreston@orillia.ca)

Phone: 705-325-2444



# 2021 Waste Minimization Plan: Have your say!

For over thirty years, the City has implemented new waste diversion and minimization programs. Orillia developed its first Waste Minimization Plan in 2006 and has updated the plan every five years since. The plans look at potential ways the City can reduce waste and increase waste diversion from its landfill site over the next five years. Under these prior plans, the City has expanded its recycling programs, initiated a green bin collection program and every other week garbage collection, and most recently, the City approved a clear garbage bag program. Over the years the City has increased its waste diversion rate from 52% in 2006 to approximately 64% in 2020. These efforts have extended the life of the City's landfill, which presently sits at approximately 45 years at the current fill rates.

We are inviting City of Orillia residents to contribute to the 2021 Waste Minimization Plan by answering the following survey questions.

Note: The survey will remain open until Wednesday, May 12, 2021 at midnight. Feedback from the survey will be incorporated into a DRAFT 5 year plan to be presented to Council in an upcoming report.

Questions marked with an asterix \* require a reply.

## 1. Do you live in a... \*

- Single family dwelling
- Duplex, triplex or fourplex
- Apartment building
- Condominium complex

# Waste Diversion Site

The Waste Diversion Site is located at 100 Kitchener Street in Orillia. City residents are able to dispose of waste items, household hazardous waste, recyclables, compostable materials and other items too large for home pickup there. These larger items include tires, scrap metal, lumber, tree wood, drywall, shingles, large plastic pails, etc. Charges apply for some of these items.

Residents can also purchase materials at the site, such as compost, green bins, recycling boxes, backyard composters and rain barrels.

Further information regarding the materials collected, reused and sold at the Waste Diversion Site can be found at:

- [Click here for Collection Information](#)
- [Click here for Waste Diversion Site Information](#)

## 2. Do you ever visit the Waste Diversion Site to dispose of waste or deliver recyclables? \*

- Never
- A few times each year
- More than 5 times per year

## 3. If you visit the site, do you drop off: (Check all that apply.)

- Recyclables
- Regular waste
- Hazardous waste
- Compostable materials
- Other materials, such as tires, mattresses and scrap metal

**4. Do you find the Waste Diversion Site accessible for you? Would you like to see changes at the site to make waste minimization easier? Please provide your comments and ideas for more, or better, use of the Waste Diversion Site:**

**In general, the city only collects materials for recycling where there is a market for their use. Would you like to see the city explore recycling of other materials? If so, please state what these materials are.**

**Please give your ideas as to how the city could encourage more recycling, either in your household or in general.**

# Recycling

Orillia provides a weekly collection of recyclable materials to all residents. A range of paper, cardboard and containers of various materials are collected and recycled by the City. A full listing of materials that are accepted can be found [here](#).

**5. Are you and your household currently able to recycle from your home? \***

Yes

No

**6. If your answer is no, please give reasons:**

**7. Please list the materials you currently recycle: (Check all that apply)**

Paper and paper products

Cardboard

Containers

Styrofoam

Plastic shopping bags

**8. In general, the City only collects materials for recycling where there is a market for their use. Would you like to see the City explore recycling of other materials? If so, please state what these materials are:**

**9. Please share your ideas as to how the City could encourage more recycling, either in your household, or in general:**

# Composting

Orillia's green bin and yard waste collection program collects kitchen organics and yard waste from all residents weekly. These materials are diverted to the City's composting operation at the Waste Diversion Site where compost is made. This compost is then marketed to compost users, such as landscaping firms and the general public, and is therefore diverted from the landfill.

**10. Do you currently make use of the City's Green Bin and Yard Waste Collection Program? \***

Yes

No

**11. If you do not, please explain why:**

**12. What types of compostable materials do you set out for the city's collection program? (Check all that apply)**

Food waste

Paper towel and tissue materials

Yard waste

**13. Are there materials not currently collected that you think could be composted? If so, what are these materials? Please comment on ways you believe the City could make it easier to compost or to compost more:**



# Garbage Collection

Change the text for this message.

**14. Are 20 tags sufficient for you and your family or do you need to purchase more?**

- I do not need to purchase more tags each year.
- I need to purchase more tags each year.

**15. a) One way to encourage the reduction of waste would be for residents to pay for all their garbage tags. Do you agree with this approach?**

- Yes
- No

**15. b) Please provide comments:**

**16. a) Another way to encourage the reduction of waste would be charge more for garbage tags. Do you agree with this approach?**

- Yes
- No

**16. b) Please provide your comments:**

**17. After you divert items for recycling and composting, what items make up the bulk of your remaining garbage? Can you think of ways these items could be reduced? Please share your experience and ideas:**



# Reduction and Re-use

Waste minimization can also occur by reducing the potential for waste and by re-using items that could become waste. Reduction and re-use are given a higher priority than recycling in the overall effort to minimize waste.

**18. Does your household try to avoid excess food waste? \***

- Yes
- No

**19. If yes, please list ways that you do this.  
(Check all that apply)**

- Planning your meals
- Shopping more frequently as needed
- Understanding and checking the "best before" and "packaged on" dates
- Storing foods the proper way
- Using leftovers wisely

**20. Please share other ways that you and others can reduce food waste:**

**21. Please check off other ways you try to reduce waste by re-using items or by reducing waste at source. (Check all that apply)**

- Using the same bags for shopping
- Using re-usable cups and bottles
- Avoiding single-use items
- Purchasing items in bulk
- Purchasing items which do not require excess packaging
- Reducing your use of paper
- Purchasing secondhand items

**22. What are other ways you reduce, re-use or recycle to minimize waste?**

**23. Please share your ideas for other ways the City can help residents to minimize waste and increase re-use and recycling:**

# Thank You!

Your feedback is valuable and WMAC looks forward to reviewing survey responses and the comments and suggestions you have provided. The survey results and any written comments received will be compiled to assist staff in the development of a new 5-year plan for Waste Minimization for the City of Orillia.

Watch for a report to Council in the near future! For more information, please visit: [orillia.ca/wmac](http://orillia.ca/wmac).

## **APPENDIX D**

### **PUBLIC COMMENTS**

1. Comments from Public Forum (May 5, 2021)
2. Survey Results – Statistics and Comments
3. Written Comments Received
4. WMAC Feedback Based on Survey Comments & Written Feedback

## May 5, 2021 - VIRTUAL OPEN HOUSE - 2021 Waste Minimization Plan

Date	First Name	Surname	Comments
210422	Irene	Maxwell	Property Manager - important at the apartment building - issues - staff have to spend time to sort - 5 hours per week. Diversion for pet waste and diapers would be great. Further note - Landlord Tenant Board - not adjudicating at this time. Also - Need to be mindful of re-usable items that may present health concerns (bed bugs)
210429	Cameron	Bigelow	Impressed by progress to date. Waste management is part of a bigger environmental thing. Extended Producer Responsibility is important. Industry should pay and manage. How will that work. Issue is the timing for EPR to be put in place.
210430	Jacquie	Kent	Great plan - We need: A. robust communications, incentives, to reach all demographics, is there a campaign planned? B. Kids for Turtles, annual litter pick-up, dumping is an issue need to deter it. C. Put the onus on businesses to incentivise community clean-ups, "Garbage pick-up war", school programs. Is there a way to add community garbage pick-up statistics/tracking to the plan?
210503	Rick	Ruegg	New EAC member on a learning mission. Agree with comments provided by Jacquie. All community members need to understand the systems in place.
210503	Danny	Epstein	Sustainable Orillia - pushing circular economy. 1. What is lifespan of landfill site. 2. Apartments and Condo's: Do you have a model clause for landlords for their leases that will stand up to legal test. 3. Marketability of recycled products - Buying/Purchasing policy for the City - does it stand up to environmental challenges - is the City required to be using recycled materials? Gives examples of tires and there being no market, how they end up in concrete kilns because they burn so hot - that is not the answer. 4. Incentives and communications - hitting kids in school, not just grade 5 but other older students in science programs. We have a long way to go, making great strides and heading in the right direction. One additional point to expand re-use depot - we need to diversify, and consider furniture - how to make more space available for people to "shop" for re-usable items, small furniture items. To make it marketable, maybe the WDS needs to be reconfigured for more bins and more re-usable items. You may find businesses pop up to take advantage. Additional: not to compete with Restore and places like that - specific to have options to re-use.
210504	Lee	Hanson	New to Orillia - 3 years - live in a condominium complex - adds additional level of complexity for diversion - impressed to learn of the scope of work being done. Communications - need to draw more attention to what we are trying to do. New plan for clear plastic, good to have information to reinforce existing messaging - fridge magnet: what goes where. Question regarding run-off from landfill to the lake and creek that is adjacent to the site.

WMAC Zak Gariba  
WMAC Lois McRae

WMAC Barb Shakell-Barkey Ideas - condos, apartments hot topic. Extended Producer Responsibility - is there anything in the building code that would require the developer/builder to consider waste options, recycling design options for the buildings?

WMAC Kevin Wood

WMAC Councillor Fallis Suggestion to emphasize composting in our own backyards. Most effective and beneficial if residents to it themselves. Do a giveaway - promote somehow. Also, another way to deal with plastic, it doesn't always recycle, think outside the box - encourage folks to think about where plastics and where the packaging is going. Like the idea of going in to the re-use depot at the WDS - could have a specific access time for that.

WMAC Keith Duncan ICI (Industrial, Commercial, & Institutional) waste - where is it dumped? They are getting away with murder, using bins and can put anything in them without any scrutiny. Filling landfills faster than residents/citizens.

Moderator Peter Gumbrell

Staff Greg Preston

Staff Robin Cadeau

1. Do you live in a....			
Single family dwelling	Duplex, triplex or fourplex	Apartment building	Condominium complex
107	8	4	11
82.31%	6.15%	3.08%	8.46%

2. Do you ever visit the Waste Diversion Site to dispose of waste or deliver recyclables?		
Never	A few times each year	More than 5 times per year
25	94	11
19.23%	72.31%	8.46%

3. If you visit the site, do you drop off: (Check all that apply.)				
Recyclables	Regular waste	Hazardous waste	Compostable materials	Other materials, such as tires, mattresses and scrap metal
39	40	73	18	66
30.00%	30.77%	56.15%	13.85%	50.77%

4. a) Do you find the Waste Diversion Site accessible for you? Would you like to see changes at the site to make waste minimization easier? Please provide your comments and ideas for more, or better, use of the Waste Diversion Site:
See Question 4 a) Summary of Comments
4 b) In general, the city only collects materials for recycling where there is a market for their use. Would you like to see the city explore recycling of other materials? If so, please state what these materials are.
See Question 4 b) Summary of Comments
4 c) Please give your ideas as to how the city could encourage more recycling, either in your household or in general.
See Question 4 c) Summary of Comments

5. Are you and your household currently able to recycle from your home?	6. If your answer is no, please give reasons:
Yes	No
130	0
100.00%	0.00%
See Question 6 Summary of Comments	

7. Please list the materials you currently recycle: (Check all that apply)				
Paper and paper products	Cardboard	Containers	Styrofoam	Plastic shopping bags
129	127	127	110	93
99.23%	97.69%	97.69%	84.62%	71.54%

<b>8. In general, the City only collects materials for recycling where there is a market for their use. Would you like to see the City explore recycling of other materials? If so, please state what these materials are:</b>
See Question 8 Summary of Comments

<b>9. Please share your ideas as to how the City could encourage more recycling, either in your household, or in general:</b>
See Question 9 Summary of Comments

<b>10. Do you currently make use of the City's Green Bin and Yard Waste Collection Program?</b>	<b>11. If you do not, please explain why:</b>						
<table border="1"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>112</td> <td>18</td> </tr> <tr> <td>86.15%</td> <td>13.85%</td> </tr> </table>	Yes	No	112	18	86.15%	13.85%	See Question 11 Summary of Comments
Yes	No						
112	18						
86.15%	13.85%						

<b>12. What types of compostable materials do you set out for the city's collection program? (Check all that apply)</b>	<b>13. Are there materials not currently collected that you think could be composted? If so, what are these materials? Please comment on ways you believe the City could make it easier to compost or to compost more:</b>									
<table border="1"> <tr> <td>Food waste</td> <td>Paper towel and tissue materials</td> <td>Yard waste</td> </tr> <tr> <td>105</td> <td>106</td> <td>108</td> </tr> <tr> <td>80.77%</td> <td>81.54%</td> <td>83.08%</td> </tr> </table>	Food waste	Paper towel and tissue materials	Yard waste	105	106	108	80.77%	81.54%	83.08%	See Question 13 Summary of Comments
Food waste	Paper towel and tissue materials	Yard waste								
105	106	108								
80.77%	81.54%	83.08%								

<b>14. Are 20 tags sufficient for you and your family or do you need to purchase more?</b>	
I do not need to purchase more tags each year.	I need to purchase more tags each year.
76	51
58.46%	39.23%

<b>15. a) One way to encourage the reduction of waste would be for residents to pay for all their garbage tags. Do you agree with this approach?</b>	<b>15. b) Please provide comments:</b>						
<table border="1"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>16</td> <td>112</td> </tr> <tr> <td>12.31%</td> <td>86.15%</td> </tr> </table>	Yes	No	16	112	12.31%	86.15%	See Question 15 Summary of Comments
Yes	No						
16	112						
12.31%	86.15%						

<b>16. a) Another way to encourage the reduction of waste would be charge more for garbage tags. Do you agree with this approach?</b>		<b>16. b) Please provide your comments:</b>
Yes	No	See Question 16 Summary of Comments
27	100	
20.77%	76.92%	

<b>17. After you divert items for recycling and composting, what items make up the bulk of your remaining garbage? Can you think of ways these items could be reduced? Please share your experience and ideas:</b>
See Question 17 Summary of Comments

<b>18. Does your household try to avoid excess food waste?</b>		<b>19. If yes, please list ways that you do this. (Check all that apply)</b>				
Yes	No	Planning your meals	Shopping more frequently as needed	Understanding and checking the "best before" and "packaged on" dates	Storing foods the proper way	Using leftovers wisely
122	8	101	52	94	113	117
93.85%	6.15%	77.69%	40.00%	72.31%	86.92%	90.00%

<b>20. Please share other ways that you and others can reduce food waste:</b>
See Question 20 Summary of Comments

<b>21. Please check off other ways you try to reduce waste by re-using items or by reducing waste at source. (Check all that apply)</b>						
Using the same bags for shopping	Using re-usable cups and bottles	Avoiding single-use items	Purchasing items in bulk	Purchasing items which do not require excess packaging	Reducing your use of paper	Purchasing secondhand items
107	113	81	86	64	58	66
82.31%	86.92%	62.31%	66.15%	49.23%	44.62%	50.77%

<b>22. What are other ways you reduce, re-use or recycle to minimize waste?</b>	<b>23. Please share your ideas for other ways the City can help residents to minimize waste and increase re-use and recycling:</b>
See Question 22 Summary of Comments	See Question 23 Summary of Comments

**2021 Waste Minimization Plan Survey**

**4. a) Do you find the Waste Diversion Site accessible for you? Would you like to see changes at the site to make waste minimization easier? Please provide your comments and ideas for more, or better, use of the Waste Diversion Site:**

77 comments

I find when I take a small amount of regular waste that may weigh a pound or two that the fee is too much. Examples- a broken bona mop, old hose, plastic tarp etc. I agree with the weigh scales for large amounts like trailer loads and trunk loads but why not have a place accessible for a few items that don't weigh much?? For no fee?

The access to the Waste Diversion Site is suitable for me.

Waste site very accessible for me and have no concerns.

Due to not having a vehicle I can't get to the site, create a day for the city to do a pick up just as it does for garbage but for hazardous waste, larger materials, electronics ect.

I don't know why some are charged a fee and others aren't. Charge one fee for all.

it is well -run however needs to be re-located away from the Lake

Site reasonably accessible. Minimum cost is a bit high and can discourage use, sometimes cheaper and easier to put small amounts in garbage bags with tags for disposal either curbside or at site. Smaller drop off charge would encourage folks to make better use of facilities. Also occasional curbside pick up of things like wood, earth etc would be helpful especially to older folks trying to keep property tidy.

Weill day Saturdays

Yes, it is accessible. Long line ups on weekends.

All right for me.

Trash is or can be made up of bulky items. An investment of a few mechanical compressing compactors on site which could compress garbage under extreme pressure and make into smaller more dense cubes. It would be easy to stack into containment sites. Benifits would be less need of usage of heavy machinery and those resources that are used to constantly bury this trash. Making this trash smaller is a key to provide more space. Eg. -Car compacting crushers. Eg.- Industrial metal shredding machines to shred all waste before going into compactors.

Increased hours, especially on weekends

It would be nice to take something out of the dump that you think could be salvaged. Lots of people throw stuff away for ease, not necessarily because there's something wrong with it. Reuse is the second R so why not allow someone to give an item in good condition a new home.

It's fine.

I find the diversion site very accessible, organized and tidy.

I'd like to see the scale system improved by having either a dual line system with dedicated entry/exit lines or by adding another scale to be operated on weekends I.

No. I would like to see the City assist older adults with picking up things that they can not get rid of , such as old paint , mattresses, bed rails etc. Have more than a few days a year to do this. If possible have a red box to put old batteries in to put out on a recycling day.

Fine for me

I like the current set up at the WD Site... no issues.

Site is accessible and staff are generally helpful. However when I take my small car there to drop off a few things and have to pay the minimum fee every time it is ridiculously expensive as my vehicle cannot hold any where near the weight minimum, and I am penalized in comparison to larger vehicles.

seems ok

Very accessible. A pain in the butt if you drop off hazardous waste and metal as you have to go around and enter the scales. When there is a long line its frustrating. But the staff are ver helpful

anytime we have went it was a quick and effortless stop

Make depositing of larger items including yard waste free. I'm saddened to see things of this nature thrown at the side of the road...if folks can't afford the fee, what choice do they have. A friend was replacing beds at their home. It was almost \$100 to dispose of the old mattresses and box springs. We took down a large cedar hedge. \$15 a trailer load...or free...if you get the right gate person....

1. Slow moving.

2. Poor signage.

3. Should be a person on each side of building - and you shouldn't have to get out of car to handle transaction. One in and one out transaction for processing.

Yes, we are always impressed with the organization and the ready assistance. Kudos!

Accessible area where second hand items can go so locals can briefly search to see if items might be of use.

The hazardous waste depot is accessible. Not really sure how the rest works as never used it. Also puzzled between difference of WDS and Midhurst which also allows drop-offs?

I find it works well depending on the day you go. Avoiding weekend line ups is helpful.

Not really. Would be good to have more collections for hazardous waste, large garbage etc.

Things clearly marked. Staff helpful

It is easy to drive to. I do t like the muddy tracks when having to drive to drop off larger items.

I find it accessible. Better signage would be helpful for example where you can leave items that others may want to use.

It's good
found site well laid out
Yes
I was a bit confused with directions, how to get out after dropping off waste supplies. I'm still not sure if me turning around to exit is what they were wanting us to do
It's fine
Clearer signage at the entrance as to where to go for the composters/bins etc
Hard too drop stuff when people work till 5 would be nice if it was open later.
Time consuming but well planned out.
Yes its accessible and a great community facility. <input type="checkbox"/>
But When i drop off scrap metal, i am saddened to see some things like bicycles, chairs, cabinets, barbecues, cables, on the pile, that SOMEONE would be easily able to repair or use for parts. I wish there was a small area, like for the Paints, where the public could reclaim useable and fixable items. I saw an expensive bike there last week that seemed to only have flat tires. I know of a Bunch of people who could afford two inner tubes but cant afford a bike. If i could have grabbed it, i would have fixed it and donated it. Bike \$300. Tubes \$20. DIRTY barbecue = 2 hours cleaning = \$00.00 <input type="checkbox"/>
In this world of over consumerism, REUSE must come before RECYCLE !
Nope. Very confusing and the staff are highly rude and unprofessional. If you don't like your job quit
Yes. weekend hours, longer on Saturdays would be nice.
Yes
for seniors and other who don't drive, perhaps a street pickup once a month or once in 6 months of electronic and other trash
No it is not very accessible. There is only one scale resulting in long lines. When going there to drop off at the hazardous waste and recycle area, there is no need to drive over the scales. However there is no separate way to get to that area, other than to wait in the same line as that for the weigh scales. There should be a separate access for services that do not require being in the same line as those driving over the weigh scales. This is a very congested area in any case and not well directed. There should also be a separate area in the City - not only at the waste diversion site , to buy new green bin, recycle box, accessories. Why are these items only sold at the waste diversion site. <input type="checkbox"/>
Again - line up to get there. Should be more than one weigh scale. The line up on both sides of the only scale is often long and onerous. Everything seems to be funneled to one spot and could be laid out in a much more clear and efficient manner and responds to the needs of the citizens and the increase size and population of the City.
never had a problem with the site, staff are very helpful
It has been quite accessible. On the other hand I feel very strongly that the City should be closing down the land fill and making other arrangements to link up with Simcoe county for the garbage disposal needs. Orillia is the only city that I know that has a garbage site on the edge of a large body of fresh water. I am concerned what the seepage can be doing the the quality of the lake water. The City should be looking to the future and correcting this bad situation and protecting our water ways from further pollutants from entering the waterways from the land fill.
Yes it is accessible
Yes, I find the site very accessible and personnel very friendly and helpful.
It is fine for me and seems to run efficiently any time I am there.
It is an easy drive in, drop off pay system. Everything is clearly marked and easy to find where to go
No comment as I'm relatively new to Orillia and have only used the site a couple of times.'
it's fine
It is close to my home and I think I've gone 2 or 3 times in the last 8 years. The last time I went I disposed of broken down furniture that fell apart.
The site is quite accessible. Anything that minimizes waste in the city is to be encouraged.
I'd like to see the site modernized like some other municipalities. Better signage, better road surface.
The waste diversion site is accessible.
Staff are very helpful. The area is clean and safe and free of bugs or rats - which is appreciated.
I also drop off discarded and broken electronic equipment, partial cans of old paint and household dead batteries.
I think it is accessible and very well managed. Not sure if there is anything you can do around line management other than putting in a second weigh scale. I think you should encourage schools to visit the site so kids can see first hand how waste and diverted items are managed and where they go from there. I would also love to see some kind of program in place that would help people like low income and elderly who have no way of getting to the site or transporting items that they would like to see go diverted as I think some things are thrown or dumped as a result of not having a way to transport to our WDS.
The staff are usually friendly and efficient.
Yes
SITE LOCATION IS OK
A donation place for stuff i dont want but can be used by others. Some things are not accepted by regular charities but should not end up in the landfill.
I find the hours of opening very difficult to access. I'm a city resident that works outside of town 9-5, Monday to Friday so I'm unable to visit during the week at all. My only option is Saturday mornings &, since there are so many others with the same work hours, there is usually a very long wait. Extending hours to Saturday afternoon & Sunday would be very helpful to a majority of Orillia's working residents.
No problems accessing the site

More bins designated for specific objects I no longer need that might be useful to others or can be reused or recycled.....broken baby equipment, broken toys, broken bikes, lawn mowers, snow blowers, appliances, etc.

Waste diversion site is fine.

I live at the north end of the city and don't always have access to a car. Providing a depot for hazardous waste that is more central would make dropping off materials more convenient -- and a more frequent activity.

I have no problems with the Waste Diversion site.

Better flow, add one more scale would move traffic quicker. Find garbage sorting etc is to spread out.

I find it easily accessible for my utility trailer. I also like the ease of dropping off recyclables.

All good

I would purchase compost from the site, however if you only have a small car and need a couple of containers full, you still have to pay full price. this really adds up after a few trips, for not much compost. Other cities offer compost for free, and Orillia should do the same, especially for small loads.

It can be very busy. An express lane for tagged bags would be wonderful

**2021 Waste Minimization Plan Survey**

**4 b) In general, the city only collects materials for recycling where there is a market for their use. Would you like to see the city explore recycling of other materials? If so, please state what these materials are.**

**59 Comments**

Cat litter

Fabrics

Please introduce the recycling of kitty litter. This service has been available in Vaughan at least 15 years (maybe more) when we lived there before moving to this beautiful city in 2011. We feel badly every time we put the litter in the garbage!

Once a year I think there should be a recycling program whereby the City picks up large items for recycling, i.e. refrigerators, stoves, freezers, mattresses. Recycling of clothing and funds going to a charity/non-profit.

Yes, the city should have a day that you can put out electronics, and larger recycling items ect. Some people can't get to the Waste Diversion Site if they don't have a vehicle.

Only where economically viable. I.E. Orillia wins. Most recycling ends up in landfill and it seems like a waste of money to pretend to do recycling when it ends up in landfill. Often recycling can cause more greenhouse gas emissions than not.

No

don't have enough knowledge, but anything which can be recycled should be looked into.

No, if there is no market, what's the point

I don't know the specifics of what kinds of materials but yes, please look into increasing what can be recycled.

Yes

Foam is a non recyclable it seems. Acetone dissolves it completely. □

Paper products to be compressed into smaller cubes.Or a onsite paper liquifier that can compress paper products into sellable cubes for burning as heating.Bring in another company

Cat Litter

I don't know of any materials

Not if the costs outweigh the benefit.

I would like the City to make it simpler for people to recycle with out giving them extra sorting jobs. Plastic versus paper etc. We know that a lot of plastic isn't recycled so they need to look at the source manufacturers & not property owner.

no, if recycling is provided for materials where there is no market, it will create a false sense of environmental responsibility. if it creates new markets, great. but if not financially viable it just creates a mess downstream.

N/A.

I would like to be able to recycle textiles such as old clothes or blankets that are too used to be donated to someplace like Goodwill.

If its done right there is not much else that can be recycled

Metal i.e. small pieces that can be held in one hand.

Make a couple of days that is free and let others pick through what is dropped off. One persons trash is someone elses treasure. This would be great even once a year.

Yes, recycle or reuse everything! Plastic that covers almost everything I purchase should be recyclable....it's not. Costco ...is in our community. I shop there regularly....but the packaging is excessive...it's got to end

No, this will add to the expense of an administration that is already carrying a heavy load.

Electronics (if not already)

Plant pots. Understand that was discontinued due to lack of market. But this means they are going into the garbage.

I would like to see collection bins for items you collect but are not in the blue bin placed strategically around Orillia. Many will not go to the WD site to do this. Making it more convenient would divert from landfill.

Yes anything that can be recycled should be.

I think we have to move away from recycling to some extent and focus on making containers that are compostable. Or re-usable

Everything possible

if they really do get recycled. No point collecting them if they will just get thrown out by the recycling company

If profitable why not.

Yes. Whatever we dont do now

Not sure.

Pet waste

electronics, soft plastic like plastic wrap, wood

Yes - continue to explore materials that can be recycled. That being said - the items allowed and not allowed continues to be confusing, frustrating and time-consuming to research and sort.

pet waste e.g. kitty litter

Try and set up courses in the school education system on recycling and waste management.

Unsure

I tried to avoid the use of disposable cups for hot drinks although occasionally I one to dispose of and I'm always disappointed that I can't recycle the plastic lids. It would be good if Orillia would consider offering this option.

The recycling program is fine as is.

Yes, anything not currently being collected that has potential for being recycled should be explored.

I would be pleased to see other items recycled and would therefore support an exploratory action. Could furniture, clothing (not able to be reused) be recycled. Plant containers and pots could be collected and recycled or made available for free.
I feel any item we can recycle is better than going to the landfill so I think there should be a periodic review of what can be recycled.
Yes, it seems many items that would be deemed recyclable aren't being recycled. Pet waste is being picked up in green bins in many other locations, why aren't we doing it here.
I know that there are some categories of plastics i.e. certain numbers for which there is not immediate market and for which there is a cost for these particular plastics to be disposed of.
I would love to see a program for recycling pet waste, grass clippings and disposable diapers.
Pet waste <input type="checkbox"/>
Diapers
PLASTICS ARE A PROBLEM - MANUFACTURERS SHOULD BE PRESSURED TO REDUCE USE OF ONE TIME PLASTICS AND TO REDUCE THE OVERPACKING OF PRODUCTS. THE NEXT POLLUTION PROBLEM WILL BE THE "MILLIONS" OF ONE TIME MASKS WHICH WILL END UP IN LANDFILLS .
There is a huge problem with dealing with dog waste with garbage only picked up every 2 weeks and only 20 tags. Why can't it be collected as compost like Simcoe County? There are compostable poop bags. This would solve this problem.
Any possible recyclables to reduce garbage.
As above...broken items that others could repair - a business opportunity for somebody
Pet poop composting
Honestly, we recycle and compost everything we can in my family. Only thing that takes up a bulk of our garbage is cat litter.
Plastic bags that are currently not recyclable.e.g. Frozen fruit and vegetable bags
There is no sense in collecting items for recycling if there is not a market for them. Would this be transferring the waste to another location?
Styrofoam?
Yes ...cat litter. I have very little household garbage, the majority is non recyclable cat litter

2021 Waste Minimization Plan Survey

**4 c) Please give your ideas as to how the city could encourage more recycling, either in your household or in general.**

68 Comments

Personally I think most people know which items they can recycle and what not. But I do find the brochure at times confusing... Example what about cat litter... Does it go in the tagged bag?

People need to care, to be motivated and to have respect for themselves, others and the environment. I don't know how to do that other than through education. Recycling needs to be easy.

Household recycling might improve if the items were easier to get rid of and if a charity/non-profit could receive some benefit from this.

Put more recycling bins at parks and downtown.

Do what is cost effective, and actually saves the environment. Not posturing to look good.

I think the current system works well.

Make green bins mandatory for apartment buildings, and educate tenants regarding waste diversion

I think the city should provide information on what can and cannot be recycled and how to recycle properly. Ex. I see many people throwing in dirty food jars or mixing paper with bottles. If you produced a info flyer or magnet for people to see daily

Any more education would create very small returns, if you don't know by now, you don't care. This is more of a PROVINCAL/ Federal problem relating to excess packaging .

We recycle everything we can.

n/a

Tell the Federal government to get product companies to use alternative packaging such as foam packaging and refuse province access of their products. I recycle enough but some neighbors dont at all. Keep all different recyclable material separate.

Treasure Days are great but maybe a pickup of large household items could be initiated once or twice a year after these weekends.

Create a social media account for the waste diversion site and regularly post tips & tricks for people to see. For example: Make it clear what can and cannot be recycled in Orillia specifically. Do items need to be sorted? If yes, why?

Eliminate the need to sort paper products from other recyclables. It is not required by the waste collection company, and is just something the city came up with . It is an extra hassle that gets in the way.

I know a number of people that believe that their recycling goes to the dump anyway, so why bother... Maybe some clearer information as to how the process works might give them a reason to try harder.

Less confusing! What is garbage & what isn't! What do people do with all these adult napkins & diaper products. Having people put things in clean bags just adding to expense & pollution. Help us to help the environment not make it more difficult!

provide large blue bins with lids. put easy to understand instructions on the lid. charge more for garbage.

I am not sure what others need to do... and feel our household does a reasonably good job recycling, etc.

In FL where we spend some winter months they use 1 large bin for all recyclables. The truck has hydraulic arms that pick it up and dump it. No more separate bins for paper, cans/bottles etc.

educational videos

we recycle as much as possible now

Clear plastic garbage bags....really? Why add kitchen garbage bags to a clear bag...or dark bag....use a bin.... that's what we should be doing.

Encourage people to use permissible bags for recycling. Too much garbage flying around from weather and overloaded bins because people don't flatten down recycling. I live near water and it all blows to lake. It's a mess!

Appreciate guides make clear, with photos, of what can and not be recycled. We do our own composting but appreciate being able to pick up more at the diversion site when needed and that it is clean, no weeds.

Would like to see a requirement that local greenhouses/nurseries be required to reclaim/accept returns of containers.

Public education campaign

Make it easier. Producers should be held more accountable for wasteful packaging,

Bulk item collection

How about also giving ideas for how to reuse rather than garbage items. And what you can use in your kitchen rather than a product that has to go into the garbage. Ie. Plastic lids instead of Saran Wrap. Also where you can take things like clothes

Not by force. People are getting angry about garbage costs. More dumping is going to happen.

Once a week pickup of recycling and compost while garbage every 2 did it for me

could collection not start until 9am?? Then I can put my bins out in the morning and not have them blow away in the wind overnight, or soaked by heavy rains

Easier rentals of recycling and composting units. rental access to portable composting units

Leave the clear plastic bags for the recyclables as most people are now using them along with their blue boxes. Green bags are for garbage. Please leave them alone.

Dry cell BATTERIES are something Most people throw in the garbage yet they contain hazardous and Valuable metals. I would love to see an easy way to save them from garbage. The once yearly little baggie by the road i don't think is good enough.

Please stop the stupid idea of clear bags. If you arent supplying them its a total waste of money. Some households have a whole stockpile of green bags already. Now they are no good.

Using clear garbage bags is good, too many people still don't recycle properly.

<p>Come up with a solution for families that do recycle a lot. I used tonuse 2 large bins on wheels and sometimes that wasnt enough. To use the small bins takes multiple trips and usually ends up blowing down the street.</p>
<p>If a house is sold in the city, and the old owner took the recycle/bins with them, the new owner be provided with information on how to get their bins - first one for free. Lots of houses changing hands so now would be the time to get info out there</p>
<p>education campaigns ( i know, you are trying)</p>
<p>The rules for the recycle box are far too complicated. Some things need to go in a bag, some bags need to be tied. Certain plastics ok, some are not etc. The process needs to be simplified, .I feel like this is my new unpaid.job sorting the recycles</p>
<p>would be nice to have a small, better looking container, to place in washrooms so it reminds people to recycle toilet paper rolls, cotton balls, etc.</p>
<p>Do more advertising on recycling</p>
<p>Pet waste, kitty litter, currently goes in garbage. This takes up 1/2 the 40 lb. Weight limit of one green garbage bag but it can only be put out every 2 weeks. Could pet waste be placed separately and weekly? Special containers?</p>
<p>I believe more emphasis should be put on less packaging. Eliminate the double or tripple layers if packaging on items. Put more onus upon the manufacturer and distributor of a product to reduce the packaging.</p>
<p>I need a more detailed description of plastics that are/aren't recyclable. <input type="checkbox"/></p>
<p><input type="checkbox"/></p>
<p>It would be good if the city could establish a bottle /can drop off rather than sending them to recycling.</p>
<p>At this time, I can't think of anything.</p>
<p>Perhaps a weekly or monthly reminder via social media as our mayor is doing with his weekly video appearances on Facebook during the pandemic?</p>
<p>In my opinion most people are recycling what can be recycled.</p>
<p>You are doing an excellent job with educational campaigns - keep up the good work.</p>
<p>Advertising and education through website, social media,, Orillia Matters etc.</p>
<p>I think more education is needed to make residents more aware of the recycling programs.</p>
<p>1 bag of garbage free without tag and use of a tag afterwards. It has already shown during the pandemic that garbage trips to the diversion site was down during this time and the 1 bag free alleviated the costs borne by the residents.</p>
<p>Clear bags is as much a technique to shame people but I have the ability with smaller clear bags used in my kitchen garbage container to put them in my garbage can and continue to be very conscientious. I will start w/a few left over tags.</p>
<p>Through a robust ongoing marketing and communications plan that includes incentive programs.</p>
<p>Provide an area at the landfill for scrap lumber and left over shingles, etc. Give us a spot at the landfill for an exchange area of bits and pieces of useable materials. <input type="checkbox"/></p>
<p>The re-store does not take small pieces of lumber or a few shingles.</p>
<p>Regular education (flyers etc.) to homes - perhaps a mailbox drop to homes that have been identified (through the clear bag program) for those not making the most of recycling and composting.</p>
<p>SEE ABOVE REGARDING MANUFACTURERS ' RESPONSIBILITIES.</p>
<p>A donation site for household goods no longer wanted.</p>
<p>No clear garbage bags. It's going to cause problems. What if I have dirty tin foil in the garbage? I was told that goes in the trash. Does the garbage person know why I have each price of garbage in the clear bag? There will be more illegal dumping!</p>
<p>Better understanding of what can be recycled, more free big bins to encourage more use.</p>
<p>Give credit to those who have the least number of garbage bags a year</p>
<p>Stop charging so much for garbage tags. Its ridiculous <input type="checkbox"/></p>
<p>We put out a bag every 2 weeks that is barely 20lbs. Lots of other cities have similar recycling programs and still charge for tags but have a "bag allowance" of one bag per unit every 2 weeks.</p>
<p>Instead of recycling we need to focus more on wasteful packaging and promoting use of biodegradable materials. I think alot of people are jaded about recycling - especially plastic -- does it really get reused or just sent somewhere else?</p>
<p>I am looking forward to a province-wide standard for recyclabe materials, as there is confusion between the City program and the Simcoe County program. <input type="checkbox"/></p>
<p>I also wonder how much of what goes into the blue bin is actually recycled.</p>
<p>I think it's a good idea to partner with other agencies for donations of re-usable furniture, building materials and the like.</p>
<p>Allow garborators to be installed in the kitchen like they do in the USA.</p>

2021 Waste Minimization Plan Survey

<b>6. If your answer is no, please give reasons:</b>
<b>3 Comments</b>
Yes , but it is difficult for older people.
The link didn't work....I wanted to see what I'm supposed to recycle as compared to what I recycle
If it wasn't for dog poo, i would rarely have any garbage at all.

2021 Waste Minimization Plan Survey
<b>8. In general, the City only collects materials for recycling where there is a market for their use. Would you like to see the City explore recycling of other materials? If so, please state what these materials are:</b>
<b>47 Comments</b>
Don't know what items aren't marketable now.....
Fabrics, metals
Kitty litter!
Gently used clothing; frigs; stoves etc.
This question was already asked.
No
... did you not just ask me this?
yes
Foam and plastic bags of all sorts
Cat Litter
Recycle everything we can.
Don't know of any.
I'm not sure what else could be recycled.
No do something about large stores & manufacturers that over package or use products that are non recyclable!
N/A.
No. False messaging to public Recycling will never solve waste disposal.
?
I am not familiar what else could be recycled but whatever the City could recycle we would follow.
Yes...plastics in particular....not everything is recyclable...it should be
No.
Plastic coverings and grocery bags
Repeat of question 4 but will add. Packaging in general is my biggest source of recycling/garbage. At a local level, would like to see better/more compostable take-out containers from restaurants. Baffled why there is not a single-use plastics consumption tax on water bottles but that is probably at least Provincial.
The city does a good job with collecting many materials. But, I have seen people, who don't want to go to the WD site, throw electronics, hazardous goods, etc in the garbage. Maybe some contains placed strategically around the city would encourage higher levels of recycling for those categories.
Yes .
I wonder if Styrofoam is recyclable.
anything usable... I love the treasure hunt weekends and would love to see more advertising of the paint depot, or to be able to pick up compost again this year. Recycling (or reusing) with our own city.
Plastic bags?
Yes. Whatever we don't do now.
coffee pods
answered this question on previous page
Not sure this comes under recycling. There is a need for proper disposal of pet waste(both cat and dog feces and litter).
There are programs that collect old clothing shoes etc to be shredded and used. Perhaps an annual pick up of this kind would eliminate textiles from entering the landfill.
As mentioned before, the plastic lids from disposable cups for hot drinks although hopefully they will be eliminated altogether post-pandemic.
Cloth
That program is working fine.
(see previous answer to same question on last page)
Covered in previous answers
Single coffee pods, plastic wrapping, bubble wrap
pet waste
Pet waste and diapers.
ONETIME COVID MASKS.
Any possible recycling options.
those I listed above...I think around question 5
Plastic bags

other plastic bags - frozen food bags

black plastic containers

See above

Yes plastic bags

2021 Waste Minimization Plan Survey

**9. Please share your ideas as to how the City could encourage more recycling, either in your household, or in general:**

**61 Comments**

- Encourage all stores to use recyclable plastic bags ONLY. Particularly the bags used in meat and produce sections. No selling of single use bottled water in City facilities
- In general, it needs to be easy.
- Most of us try to do our best. I am not in favour of the idea for 2022 that we will have to use clear garbage bags so that people are shamed into proper recycling.
- Recycling is incredibly important. People have to believe that they are truly helping environment.
- I feel the City does a good enough job currently
- Give residents more info on what can be recycled and how to do so properly. Also having more universal standards between communities. Ex I grew up in ramara where rules are slightly different to Orillia for items that can be recycled and was unaware of differences at first
- There are too many places around town without garbage or recycling receptacles and litter piles up. More bins please in public areas.
- Repeat questions.
- ... also a repeated question.
- What ever could be recycle.
- Recycling should be a neutral cost process. Separating materials as paper plastics, food items is much more efficient and the sale of those products to other countries or nearby industries if feasible.
- Incentives always drive people to do more. Rebates. Discounts. Contests.
- Make it easier. For example eliminate the need to separate paper. It is a hassle. Clear garbage bags are idiotic. Make things easier not harder.
- Bigger recycling bins.
- Make it less difficult!
- education. financial incentive to reduce garbage. ban single use plastics
- I appreciate the battery pick up in the fall. If there are households who are unable to easily access the WD Site... due to lack of transportation, etc... it may be helpful to provide some type of assistance to encourage recycling / disposal of batteries, light bulbs, paint, etc... or an option for some of these items to also be picked up on given days each year.
- One bin for everything. Creates more jobs at the recycling plant.
- Home visits
- I think recycling is encouraged but not every one will do their share.
- I'm all in...and can't imagine why others aren't.☐
- Restaurants and high rise buildings often don't have programs. It's time we include EVERYONE!
- Tell your waste collection people to pick up things they spill when throwing into trucks. This would be a start!
- Already do all we can as long as we are clear on what can and cannot be recycled.
- Reusing materials by having a second hand reusable section for public access
- In general think a good job has been done to date. However, the Clear Plastic bag initiative is insulting and inappropriate. That together with comments from questionable councilors about "educating" the public is very much risking having the people that do pay attention completely tune you out in the future. Don't backtrack. Every other week garbage collection was appropriate. Do not try to pass off every-other week recycling or composting collection as a "waste reduction" scheme.
- Public awareness campaign
- Encourage local businesses and suppliers to support recycling.
- Take clothes and household items to be resold. How to buy reusable sponges, lids instead of plastic wrap, net bags for shopping g for produce. How to do garage sales or neighbour hood swaps. I liked when you could out out large items in reasonable shape out one week in summer for people to pick up and share with others.
- Through information and updates. Not force. Most people are doing what they can. Many ARE recycling on their own by the look of the items at the curb every week.
- I have a difficult time sorting out which plastics are recyclable and which aren't. Perhaps a fridge magnet guide with the numbers for types of plastics displayed would make an easy to find reference guide.
- could the bin have a divider so I can separate papers on one side (1/4), but not need two full size bins to separate them. Otherwise do we even have to separate??
- Supply organic bin liners at low or no cost. The high cost of retail compostable bags discourages use of the green bin.
- Educate the younger generation to not use the streets etc for their personal garbage drop.☐
- Utilize the divided waste bins around the city.
- Dry Cell BATTERIES collection - beyond the annual curb side collection, the city should promote saving of and proper disposal of these hazardous waste but valuable recyclable metals. Call2recycle.ca has 5 locations in orillia but none in the core for those without a car. Maybe the library or even city hall could have a collection box at the door
- Please stop the idea of clear bags
- Bins in Public trails

In general. Garbage/recycling can in parks is not good, It used to be good. Need more locations (ten or more a the boat launch, none in the part of the park I happen to be in). We're all lazy, if there is no can in sight, except way over there in the wrong direction I'm going, well, guess where the garbage ends up. Also stop locking the garbage cans on the boardwalk in the winter. I can't tell you how many times I had something to throw out (coffee cup, etc.) and no where to put it.
Solution for large recycling families other than multiple small bins
Free bins for newbies to the city with a list of recyclables. <input type="checkbox"/>
You can put info out there but, at the end of the day, you can't make a horse drink unfortunately.
Was this question not already asked in #4? The rules for the recycle box are far too complicated. Some things need to go in a bag, some bags need to be tied. Certain plastics ok, some are not etc. The process needs to be simplified, .I feel like this is my new unpaid job sorting the recycles
answered this question on previous page
Take a look at the building code and advocate how buildings can be adapted to encourage recycling. Look into to the ICI and learn what is being put into bins and shipped off to land fills.
Larger green bins.
As mentioned before, messaging via social media, encouraging residents to use Orillia's recycling program more vigorously than they already are.
I have no suggestions.
Raise fees on tags / limit number of tags further - this works.
Covered in previous answers
Hold localized community education events. Deliver simple signage to every household showing what goes where.
Allow for 1 bag of garbage free, tags for all subsequent others. Allow the recycling of pet waste. Do not force residents to use clear plastic bags which can be construed as an invasion of privacy.
Recognize that there are many ways to skin the cat. i.e. let us use smaller clear kitchen garbage bags in our garbage can so as not to be having to transfer loose garbage into the can which is a redundant but needless and dirty process. Hopefully there will be some common sense on this issue.
I think a robust marketing and communications plan would be necessary to really encourage and educate the public that includes some incentive programs such as; <input type="checkbox"/> Using the current community grant program but allow people to claim their diversion in points that go toward nominating a local charity for a grant – ie. Spend their collected points towards a nomination for Greenhaven for a City of Orillia community grant. This could be focused on an annual environmental award. <input type="checkbox"/> Garbage wars – aimed at businesses to compete on garbage pick up in their area for status – maybe a trophy? <input type="checkbox"/> Trivia event on city waste diversion with prizes for winners like downtown dollars?? <input type="checkbox"/> A company and/or individual recycler of the month on the website and announced at council win distinction and a prize like a rain barrel <input type="checkbox"/> Fact or tip of the day on social media sites that tells community members important facts about waste diversion daily <input type="checkbox"/> Create a tiered system of distinction for levels of waste diversion (like LEED) that people can participate in and work towards the highest level (ie. bronze, silver, gold, platinum) and receive something they can display that shows the level they have achieved <input type="checkbox"/> designated City of Orillia waste diversion fair where we can celebrate all things diverted. Maybe on that day the Mayor and Council do a bit of garbage pick up with the crew and talk to citizens at the end of their driveway, we celebrate our diversion management team online, a recycle material art event, have a treasure hunt day on that date, recycle material fair where vendors can sell only items made from recycled material
Provide recycle bins beside garbage cans in public spaces. For example, Maple Leaf Parkette has only a garbage can, nothing for recycling. <input type="checkbox"/> The south end of West Street is a popular spot for people to enjoy the lake but there is neither a garbage container nor a recycling container
<b>BAN USE OF PLASTIC BAGS .</b>
Give out detailed descriptions of what can go in the recycling and what can't. Detailed.
More campaigns, advertisement
More big bins available for free to households,
Develop a clever campaign for recycling the things I listed in question 5. It is very difficult for many to discard broken items that could easily be repaired by someone (but not me). I would buy repaired items if they were available with a code so I know they meet an electrical standard that is safe or other appropriate certification . Another good example is Baby Car Seats. Many can not afford a good seat. There are many used car seats in excellent condition, perhaps used by sitters or grandparents so not used very often but apparently insurance companies won't cover an injury if the child is in used car seat or a car seat that was in the car that was involved in an accident - even if the accident was just a fender bender. There could be a business for someone recertifying used Baby Seats.
Garbage bag allowance would be great. I know plenty of people who throw everything out in the garbage because " i have to pay for the tags so i might as well use them" if you made it so extra garbage had to be tagged, people would care more.
I find the City guide quite clear, but there still seems to be confusion with many people. Graphics on public receptacles would be helpful (what can and cannot be recycled).
Collect more recyclable materials. <input type="checkbox"/>
Give more tags as so many items are NOT recyclable

Make it mandatory for restaurants to compost.

One restaurant puts more compost material in the garbage in one week than a household does in year.

2021 Waste Minimization Plan Survey	
10. Do you currently make use of the City's Green Bin and Yard Waste Collection Program? you do not, please explain why:	11. If
<b>22 Comments</b>	
In the summer, I use my backyard composter.	
We don't produce enough kitchen waste and we don't have the space for a green bin.	
I don't have a green bin. Never got one.	
I compost for my garden and greenhouse	
My apartment building does not have green bins	
I have my own composters. The green bin should look into making a deal with county so you can dispose of raw meat and other items which are not to go in the green bin at this time.	
The smell and bugs that are attracted in the summer & having the material freeze in the composter in winter, despite lining it with shredded paper/compostable liners.	
also compost my own at home	
Have our own composter.	
I do not like the smell, the maggots, the fruit flies. ( I have tried one 3 times) I do not want to buy the extra product to clean the bin, to layer items like paper towel and newspaper or paper bags for them, all of which I don't have, or vinegar and baking soda and all the other items that have been recommended to use one. So far all I can think of is if I can't throw out the minimal food scraps I have in a clear bag is to flush them. Bones and things that are unflushable I haven't figured out yet but I will not use a green bin. Yard waste I use. I can't afford the paper bags now mandatory for yard waste so I compost some, which I always did and put excess in a plastic garbage can.	
Unsure of how to do it	
See above. Would increase use of green bin if City assisted in controlling odour and mess by supplying compostable bags or liners.	
Not enough stuff and another pain in the [redacted] container too store	
I compost it myself for my gardens except for meat scraps which is rare, but i will put them out in my green bin on that rare occasion	
I can't fill a small green bin with my scraps. I did at one time but my kitchen was full of fruit flies. Most of it came back in from the curb frozen to the bin in winter and ended up in garbage anyway.	
I have a composter in my back yard that I use for my gardens.	
Never have. I have a garburator. I suppose I should for the paper towels etc.	
It is not available in our condo. All food waste goes into regular garbage. We are able to place garden material into brown collection bags and place them outside beside the garbage pick-up area.	
Smell	
Yard Waste yes, green bin no. Hard to get family on board with composting	
Too messy, smelly and not very practical.	
yes to yard waste, no to green bin. We never received a green bin when we bought the house. We use a backyard composter for items that are appropriate.	

2021 Waste Minimization Plan Survey

**17. After you divert items for recycling and composting, what items make up the bulk of your remaining garbage? Can you think of ways these items could be reduced? Please share your experience and ideas:**

**98 Comments**

Cat litter - can't reduce it <input type="checkbox"/>
Broken items- Such as mops, dishware, pots and pans...glassware.. home office supplies... binders, trays, pen holders, highlighters etc. cosmetics , toothpaste, tooth brushes, old dried up ink pens, bath sponges, old/fabric that can't be taken to Value Village, sleep pillows that aren't accepted at Value Villager for sanitary reasons, non-recyclable plastics ... (a lot) These are all non-discretionary items and I have no say on how they are produced..... You are punishing the tax payer for Something not in their control.... all of these are not able to be recycled!
Contaminated packaging, some containers that may be too hard to clean...so water use vs dump. Some fabrics, although the Thrift Store takes rags that the firefighters use for cleaning. Pandemic closures make this harder to do. The Thrift Store also sends fabrics that are not usable to a recycling facility in the GTA, or, at least , they used to.
Kitty litter! This has been recycled in Vaughan for many years.
I only put out garbage once a months. If it wasn't for cat litter, cigarette butts and furnace filters and the odd bit of other garbage, I could probably go 2 months.
Non recyclable packaging, often food packaging.
Cat litter
No, there will always be some unrecyclable waste.
The bulk of my garbage is food packaging. Ex plastic wrap / bags from frozen foods / bathroom waste such as feminine products. I have very little garbage waste in my house each month
Non recyclable plastics (hard as soft), wood, old dirty hole ridden clothing, small metal objects... anything that can't go in the recycling bins. <input type="checkbox"/>
We donate a lot of items to Value Village. <input type="checkbox"/>
To further reduce items in the garbage increase the variety of items that can go into the recycling bins. <input type="checkbox"/>
Encourage Industry to produce more recyclable packaging.
wrappings that are not recyclable. Grass clippings.
When the city had large item Curbside pickups, personal pickup trucks circled the city picking up many of these items. I would suggest this should happen more often.maybe coordinate citywide yard sale dates.
Other general, non-recyclable or non-compostable materials.
Pet waste and nonrecyclable plastics are by far the bulk that remains.
n/a
Plastic bags, plastic cellophane, foam, small metal pieces, broken glass, saved grease,oils in jars placed into garbage. Used light bulbs, coffee kcups, bedding, old clothing, vaccum debri.
Cat litter makes up most of my garbage. I do believe we need to look at the bigger picture and the have the companies be regulated on their packaging.
Animal waste makes up more of our waste than all other forms of non-diverted waste combined. Composting kitty litter & dog poop bags would allow these to be diverted.
The next biggest portion of our non-diverted waste is product packaging. Either packaging that is a mix of several different materials that are difficult to separate or are non-divertible. Promotion a reduction in packaging & a shift towards more easily compostable or recyclable packaging at local stores would help to eliminate this issue
Plastics not allowed in recycling. Textiles, electronics large household items could be collected in special collections.
Plastics such as chip bags that are not acceptable in normal recycling
Items that have wax coatings that can't be recycled (i.e. fast food). Anything that doesn't have a recycle symbol on it. Items that are too small to go into recycling. Paper towel that has harmful substances (i.e. paint). I've been starting to throw away a lot of questionable plastics as well since it's so confusing as to what is and isn't recyclable.
We recycle and compost all we can.
Chip bags, plastic with food waste on it, take out drink cups, paper towels with cleaner on them, cosmetic pads and kitty litter.
Non-recyclable plastic, mostly food packaging.
Plastic packaging that isn't recyclable
Pet waste. Personal care items / medical garbage
Still not sure what is considered garbage & things that are recycling!
It would be helpful if all levels of government leaned on manufacturers and retailers to reduce the amount of unnecessary or unrecyclable packaging materials they use. Start there.
mandate less packaging. <input type="checkbox"/>
set up a reuse spot at the landfill for people to pick through.
Plastic and packaging not able to recycle.
Mostly it is packaging from food items and merchandise (toys, tools, clothing, etc.). Some of the packaging can be recycled... but some not. It might help if retailers were required or incentivized to reduce packaging up front.
clothes, shoes, linens, towels etc., toys, tools, plastic and metal utensils and small batteries could be considered as recyclable
No way to reduce garbage that will be adopted by majority.

Small pieces of metal could be diverted, i.e. screws, brackets, metal frames,
Cat litter makes up the bulk of my garbage. Some regions compost this - is that possible?
Plastic that is food contaminated, plastic that is wrong # for recycling, dirty diapers from grandchildren and bathroom garbage. The diapers could be set out separately but there isn't very many - Getting manufacturers to take responsibility for their products but I don't know what else. I do not like to waste a lot of good water to clean what I am recycling or throwing out when I don't know what will be trashed after it leaves our property.
Plastic that isn't recyclable.....
The non recyclable items listed in your guide and the litter we pick up from trails that we put out with our own garbage vs putting them in already full city bins by the trails.
Packaging
Packaging materials either not suitable for recycling or too small / dirty to put in recycling. Take-out containers. Plant pots (no 5 I think - put the heavier plastic ones in the recycling). Non-reusable textiles like old towels. Small household items that simply wear out. Would like to know exactly what WDS does with collected electronics as don't have a warm and fuzzy about that. Paint cans a huge issue as most people not setup to wash them and dispose of excess paint as required. Paint may be too old to be reused (have a dozen of these in basement I have no idea what to do with).
We have only one small shopping bag size every two weeks for 2 people. It is mainly plastic that does not qualify or corks, small metal or foil parts. We know that very small items in the recycle are an annoyance at the waste diversion centre.
Packaging that isn't recyclable. Non compostable food waste,
Animal waste.....kitty litter is a problem would have little garbage otherwise
You are doing a pretty good job.
My garbage has many recyclable items in it because I REUSE items like newspaper, cardboard, pie plates, tin cans, plastic bags, styrofoam trays etc. that have been contaminated through art, crafts and furniture refinishing working from home. Also recyclable items that have been contaminated from cooking like draining grease, cleaning fish etc. (When we go to clear bags I don't know how the garbage man will be able to distinguish that a normally recyclable item is contaminated and now belongs in the garbage?) All the items listed on your website that are not accepted in the blue bin. broken glass (furniture repair) usually wrapped in plastic bags or old clothing, knobs from furniture, broken plastic toys. There are many other items that do not belong in recycle or hazardous waste. We also have garbage that comes home from a worksite almost daily like a sweep of the job site (contractor) although it is separated for anything recyclable there are tiny bits of everything in it like metal shavings, saw dust and wood splinters, drywall dust, plastic bits, rags, insulation bits etc. This goes for our garage garbage too which we use daily. I also have food waste with no interest in a green bin. I can only think I will have to flush what food waste I have and am not sure yet what to do with bones etc.
plastic packaging, cartons that can not be recycled. I think manufacturers should have to pay for disposal. I am currently looking for products I use in re-usable containers and/or containers that can be composted. Trying to reduce the number of plastic containers I buy.
Contaminated recycling, dog waste, fabric scraps and other non recyclable products
We do not have much actual garbage. Most of it would be non-recyclable items and items such as jar lids.
bags, straws, plastic wrap from food, hygiene products, broken plastic things
Feminine products, private items, soiled items
Packaging
Pleased with doing our share now. Green garbage goes out usually once a month and our blue box is full most weeks along with the compost items.
Those plastic food wraps which i try to avoid but is almost impossible to.
Plastic bags like bread bags
Adult sanitary products
Food packaging and wrappers. Dirty/oily plastic that consume lots of water to clean. Force manufacturers to change packaging
Cigarette ashes. I suppose I could quit smoking, then I'd only likely have one or two bags of garbage a year (I recycle everything else) It's really not hard to recycle just about everything. Need better raccoon proof compost bins (bane of my existence, they keep figuring out everything I do to keep them out).
Plastics that aren't recyclable and pet waste
Personally, after I recycle many items, I end up with under a full garbage bin every two weeks already. Some people you just can't get thru to and they are too lazy to rinse and recycle. Adding extra charges, fines and rules will just make it worse and make me angry as I am doing my best already!
cigarette butts, torn clothing
Cat litter and dog waste
Any items I may have that are included in the list of things that cannot go in to the recycle box or green bin (glass, ceramics, bubble wrap, etc). Also plastic coffee pods. These items should not go into the landfill either - but there does not seem to be an alternative way of disposing. Should have an incinerator in Orillia instead of landfill.
kitty litter, dirty tin foil/plastic wrap
May be rubber items can be recycled if a market can be found
We are a 2 person household and put garbage out every 4-8 weeks only as most of our waste is recycled.
Animal waste and dryer lint.

<p>Please see my list in 15.b) regarding what we put in garbage.          Maybe a few times a year have a special small item pickup. Real garbage items that are made of non-recyclable glass, aluminum pots, kettles, wooden items such as orange crates, paint sticks, oaint brushes. I would hold these items from garbage and put them out for special pickup.</p>
<p>Non-recyclable packaging and food packaging that can't be cleaned properly in order to be recycled. A lot of waste comes from packaging used by stores. Stores should be held accountable for the amount of packaging they use. If consumers weren't able to buy items with so much packaging, they would generate less waste. Waste should be reduced at the source. I do my best to bring my own reusable bags and containers to the store but not everything can be purchased that way.</p>
<p>Packaging, ie empty coffeebean bags. Chip bags, small broken items, clothes beyond re-use, full vacuum cleaner bags, broken garden tools.</p>
<p>Packaging ---- encouraging political powers to move toward packaging laws for companies <input type="checkbox"/>          Textiles - clothing, shoes etc if they are beyond offering for second hand use <input type="checkbox"/>          Paper towels used with household cleaning products <input type="checkbox"/>          Plastics that I understand are not recyclable -- increase public knowledge to ensure correct plastics are going to the right location <input type="checkbox"/>          Raw meat scraps or paper towels used around raw meat - hotter compost pile</p>
<p>Saran Wrap,, aluminum foil, sponges, mixed material items such as snow brushes, bbq brushes, Nails, screws, other items.</p>
<p>Food packaging. Manufacturers should be accountable.</p>
<p>pet waste, bathroom waste (sanitary products, q-tips), plastic that is not recyclable</p>
<p>I generate very little waste, mainly items like food wrap and plastic bags that aren't currently recyclable. Perhaps consider adding plastic waste such as veggie, sandwich/zip-lock bags, lids from disposable cups, etc. to the recyclables list. Other municipalities already include such items.</p>
<p>Just scraps small pieces that occur from day to day living, wraps from food packages,</p>
<p>Dog waste, feminine pads, torn blankets from dog chewing them, Swiffer Wetjet used pads. I normally only put the garbage out once a month if that. Also we put used kitty litter in the garbage. <input type="checkbox"/>  <input type="checkbox"/></p>
<p>The people I know do recycle what can be recycled.</p>
<p>Pet waste, some plastics not included in recycling.</p>
<p>Female products, diapers, non-recyclable packaging. Not really any way to reduce it further.</p>
<p>Packaging of products such as candy wrappers, meat wrapping, plastic from things like battery packaging. Force companies to package only with recyclable materials.</p>
<p>As previously noted we combine compost and garbage into one container. A constraint in our condo. Compost material by far makes up most of the content. Very little if any recyclable material goes to garbage.</p>
<p>Unrecyclable items, hard plastic, food scraps</p>
<p>Pet food bags, shrink wrap from raw meat packages, toothpaste tubes, lotion tubes, frozen fruit/vegetable packaging, cereal box liners, large meat bones/fat, kitchen grease/liquids, used cotton swabs, chip bags, takeout drink cups and plastic lids, plastic straws, outdoor soil/grass seed/fertilizer packaging, plastic rings from 6 pack bottles and cans.</p>
<p>The fact I will have several tags left at the end of June of this year speaks volumes about how composting and recycling can reduce one's remaining garbage significantly. However, I do not feel that it will ever be possible to reduce garbage waste to zero.</p>
<p>Contaminated plastics and food wrap (from store packaging).</p>
<p>..Plastic packaging. IE, the plastic wrap that covers raw meat purchased at the grocery store. I donr think this is recyclable plastic          ..dirty plastic wrap from cheese bars purchased at the grocery store          ..any wrap thst has been contaminated by contact with food</p>
<p>Most of what goes into our garbage is non-recyclable packaging - meat/cheese wrappers etc. We really don't have much that goes in the garbage.</p>
<p>Dog poo. Compostable like Simvoo County.</p>
<p>Un cleanable recycling. Eg tin foil. I craft, so most used up craft supplies. Plastic coated cardboard.</p>
<p>Feminine hygiene products, cat litter, food packaging. Pet waste goes in the organics bin on other regions.</p>
<p>Excess packaging, pet waste, non-recyclable items like broken glass or other items that can't go in the bins.</p>
<p>same answer as question 4 = I'm a senior and it becomes difficult to find ways to get rid of things.</p>
<p>Plastic wrappers,          Cat litter. <input type="checkbox"/>          Small candy bar wrappers around halloween. <input type="checkbox"/>          Broken toys. <input type="checkbox"/>          Compost the cat litter and that would solve a lot.</p>
<p>unrecyclable plastic Not sure how to remedy that other than lobbying producers. Also worrying is the move to plastic for produce such as peaches, lettuce and tomatoes</p>
<p>Plastic packaging makes up almost all of the waste from my household. I use my own containers when shopping whenever possible, but too much of our food and consumers goods comes in excessive packaging. Having recyclable packaging is not the answer, as so much of this plastic still ends up in a landfill somewhere (even if not in Orillia).</p>

Household items
Ya build an incinerator and make renewable energy from it
Mostly packaging that can't be recycled, along with other materials, such as broken items, construction waste (mostly wood scraps.)
We could have more dr, etc.op offs for electronic items, small appliances
Cat litter

2021 Waste Minimization Plan Survey

**20. Please share other ways that you and others can reduce food waste:**

**32 Comments**

- Using up refrigerated items before spoiled. Buy little takeout... excess containers,
- I live alone so often share excess food with my son who also lives alone. I try to buy smaller amounts even if it is more expensive
- Prepare smaller portions
- Freeze leftovers for later meals.
- Left over vegetables, all meats, bones used to making into separate broths and frozen until needed. Too many people are too lazy
- Sharing unwanted leftovers with tenants/family, or donating unopened items.
- During a pandemic you are suggesting people got to the store more? And who do think wants excess food waste? This is a
- Purchasing products with recyclable packaging
- By not being wasteful & over buying!
- If possible, leave the packaging with the retailer. It may not help much in the big picture... other than leaving the problem with the preserving excess - canning and freezing and feed it to the dog :)
- Share extra food with food banks and neighbours.
- Shop at local producers. Quality tends to be high so it lasts longer and also it hasn't travelled as far so hasn't been damaged in
- Can't do as easily now as shopping isn't convenient.
- eating more of what is in the fridge before I shop again
- Education of the public that if nobody wasted food, the environment would be much better off, and nearly-dated food could be
- No clue
- eating fresh, using less packaged food
- What is excess food waste? How much is excess?
- Do not over purchase. If a food item is on sale do not purchase unless can be used.
- Be inventive in food combining in order to put any left overs to use. Give away or share extra edibles.
- Encourage No canned or boxed food (or at least as minimal as possible). Reusable bags and food storage containers. Bulk Barn
- During Covid I shop less frequently but I would consider more frequently when the pandemic ends.
- See what you can make using food items which are reaching their end of life. Surprising what you can make using the internet.
- Use apps like Flashfood to purchase end date foods that are still perfectly good. Shop from the day old bread/baking/produce racks.
- Our most popular meal is leftovers. Waste not, want not!
- ..Store partial bits of food in reusable glass containers so you can see what leftovers you have in the fridge. That container of
- I live alone and it is hard to buy food for one person. If that was available i would have less food waste.
- Make soups with bones and vegetable ends. Avoid prepackaged fruit and veggies and buy only what is needed. Make a list of the
- Share food with my family. Make a large quantity, freeze some and send servings to a family member.
- Eat at home
- Keep offering backyard composters at a reduced price for residents! Why was this taken away last year?

2021 Waste Minimization Plan Survey
<b>22. What are other ways you reduce, re-use or recycle to minimize waste?</b>
<b>51 Comments</b>
Buy detergents in bulk to reduce containers. Use mesh bags for produce rather than store plastic, Rarely buy bottled single use water.
I buy in bulk for some items to save on cost and then share with others. I try to buy quality items that will last for a while. I cull my clothes that are still usable and send them to second hand stores. I put some larger items on the roadside for free pickup.
Donating items to local thrift stores. <input type="checkbox"/>
Participating in garage sales.
See 21
composting
wash and re-use items which could be one-use but don't need to be
n/a
Allow free none fee licenses for yard sales or farmers markets.
I reuse the grocery bags as liners for my garbage cans in my house, thus avoiding buying single use small garbage bags. This is re-using and repurposing the bag provided by the grocery/retail store and makes more sense then buying a bag of "Glad" garbage bags which in theory are produced and only used once.
Think before you buy. Do you really need that. Teach children from a young age about spending and saving. If you show by example that things should have a purpose and not to buy things on a whim. <input type="checkbox"/>
Teaching about buying food that is not processed and over packaged. <input type="checkbox"/>
We need to have a total change of mind set with regards to the environment and our world around us.
Buying local food/produce <input type="checkbox"/>
Donations <input type="checkbox"/>
Only buying what you need, when you need
Bring our own bags or boxes for groceries.
Reuse boxes from packages for storage. Reuse wrapping paper and gift bags, donate to value village.
Hard to buy items that are not over packaged! City needs to do more by starting at top & not overburdening it's citizens!
consume less.
Use plastic bins when grocery shopping... though that has been on a hiatus during COVID... with weekly pick up at the store. Perhaps an exchange program of plastic bins at the store would help.
Ask the store to remove packing
Use plastic bags for pet waste.
Mulch the leaves in our yard for our lawn; do not put bags out to the curb. do our own composting. Buy lots of fresh local produce, some frozen vegetables in the winter to avoid buying imported produce. Make our own menu items and snacks as much as possible. Do not purchase prepared foods.
Stopping delivery of Orillia Matters. Can see on-line and don't need to be shocked and amazed every week by the flying announcing that grocery stores sell food and everybody else sells stuff.
Sharing economy rather than purchasing
Purchasing from suppliers that don't over-package or do package in recyclable materials.
Freeze food in Reusable containers. Reuse plastic bags by washing them. Repurpose items when possible. Buy less.
I use the same bags for shopping but buy some shopping bags, which are NOT single use, once in awhile because I need some. They are cheaper than any other plastic bags (which ARE single use) and are thicker. I end up reducing the amount of plastic because they also don't need doubled and are used 3-4 times before they are garbage or recycled.
A lot of reusable items contaminate too easily and some stores won't let you bring in due to covid
- using reusable beeswax food wrap. This however is expensive. <input type="checkbox"/>
- if using foil wash it off to use again. <input type="checkbox"/>
- buy fruit and vegetables loose as much as possible to avoid packaging. <input type="checkbox"/>
- use metal straws.
-using large chip bags and other non-recyclable bags as my garbage bags. <input type="checkbox"/>
-saying no to free things <input type="checkbox"/>
-only buying things I really need
Curb side still-useful items once a month for free pick up by any passers by.
No clue
Reusable bags
Pick up other's peoples waste from around my property/street and putting in my own recycling box.
Use paper bags instead of plastic.
Double use of scrap paper
An item missed above is reusable storage containers, saves on plastic or aluminum wrap.
Try to repair things that break rather than throwing them out and getting new. Reduce the number of physical items we bring into the house (e.g. buy ebooks instead of paper books, stream music and movies rather than purchasing physical copies). Take items still in good condition to places like Value Village.
Sell second hand items on Facebook market place or repurpose items.

Any sheet paper that is only used one side gets saved to use the other side. <input type="checkbox"/>
Wrapping on bulk food items is reused when dividing for individual servings.
re-usable items, eat out less
Donating used clothing and household items to local charities rather than throwing them out. Note that is almost impossible to avoid single-use items and excess packaging when shopping for food items, especially meat, fish and produce, as grocers continue to opt for single-use plastic containers and excess packaging. This needs to be discouraged nation-wide!
I will use paper that has been printed for notes. I hardly use paper so not much is recycled.
Fixing items, rather than buying new ones to replace. <input type="checkbox"/>
Sharing unneeded items that still have use with other households. <input type="checkbox"/>
Not consuming more than needed.
Freezing meals after preparing larger quantities.
I put out usable items we no longer need with a sign for people to take it if they can use it.
..I have mesh reusable fruit and veggie bags. Get grocery stores and manufacturers to cut back on packaging. le. cucumbers wrapped in plastic <input type="checkbox"/>
le. Ontario fruit coming in plastic baskets with plastic lids. I know the packaging keeps tje fruit secure during shipping, but it takes a lit of energy to manufacture the plastic and then collect it and recycle it.
Sunday mornings I make a frittata that incorporates a lot of the vegetables in the fridge that are nearing their "end of life". It's a great way to use things up.
<b>GIVE CLOTHING, BOOKS ETC TO SALVATION ARMY, GOODWILL, ETC.</b>
Using washable dust cloths instead of disposable.
I have kids so we reuse paper and plastic items for crafts in the home.
Using my own containers for purchases (e.g. Refillery District, Bulk Barn).
Encouraging our kids to move out! Cause this generation likes to make a lot of noise but the majority of em don't have a clue what is and is not recycled.
Put the onus on companies to reduce packaging, especially plastic. Ban single use plastics.

2021 Waste Minimization Plan Survey

**23. Please share your ideas for other ways the City can help residents to minimize waste and increase re-use and recycling:**

**51 Comments**

Use your own bags always for shopping. Use purchased mesh bags for produce rather than using store plastic bags.. as many are not recyclable. BUt household cleaning products in bulk and refill containers. Reuse plastic ziplock bags.

Perhaps the city could do larger item pickups once or twice a year.

Hold city-wide events twice a year (in the spring and in the fall) which I remember was previously done for people to put unwanted items on the curb for initial pickup by anyone passing by, and later collection by the city. Please don't restrict the items as I think was done before. One person's garbage can be another person's treasure!

Wish there was an animal waste pick-up, i.e. dogs, cats. Why is it the Township is allowing their residents to put animal waste in their green bins but here in the City of Orillia we can't. For some households, it takes up a lot of room.

I am not sure this is the city's job. City's that try to do everything and become paternalistic end up bankrupt and failures. People leave to lower tax areas and only the needy remain. Sucks to type, but it is true, whether you like it or not.

Give residents more information on what items can be recycled or find items that can be used for other people. Ex my friend is a teacher and collects toilet paper rolls for class projects from family and friends to reuse this items after they are typically disposed of. Also have a recycle bin in the bathroom to put shampoo bottles and toilet rolls into to avoid becoming garbage

General advertising, perhaps occasional leaflets left when garbage is emptied etc

The city is doing basically a good job BUY, having resedents put garbage in clear bags and not picking up if recycle/ compost are included is an OVERREACH. DONT do it.

n/a

At all the drive to dump sites in our area, people should have specific segregated areas to seperate all the garbage that is brought to dump in garbage bags or open trailers. Have a drive thru set up for all specific garbage that is not currently specified.

Make it easier, not harder. Respect people more, and trust that they are doing their best, vs. trying to shame them through things like clear garbage bags, or rip them off by charging more for garbage tags. The fact that there aren't even enough garbage bags for a full year is an insult.

Comment. I am strongly against the City (Mayor and Council) implementing clear plastic bags for garbage pick-up use. There is a major privacy issue here.

I think it would really help if videos were made showing the process from when it gets picked up to where everything ends up. I would make sure the garbage trucks are explained with regards to the separate sections for compost and garbage because it really looks like it all goes into the same place.

Extra containers for recycling! More education! More specific, what is garbage & what can be recycled. There is a lot of confusion still out there. Make it easier for people! They already have enough work to do!

Provide households with new recycling bins that have lids on them. This will do two things: prevent people from having to buy plastic blue recycling bags, and for those who don't do that, prevent their waste from blowing all over the street on windy days, which happens frequently.

create a livable city that encompasses sustainable behaviour. bike lanes

I am not sure how the use of large clear garbage bags is going to help the process in 2022. Currently we use a large garbage can with an oversized garbage bag for our (and our neighbour's) bi-weekly garbage pick up. Most weeks the collector leaves the bag within the can... so only the small items are taken in the truck... and the large bag is re-used. The same goes for our kitchen compost... the large compostable bag is left most weeks. I presume the large clear bags for 2022 are to encourage re-use / recycling... but if the person disposing of garbage is using grocery bags, paper bags or small disposable garbage bags within the clear plastic... what difference would the large plastic bag make? Who knows what is in the smaller bags? Or is the plan to not use these smaller bags either? I don't get it.

Hopeless Waste of resources and creates false hope for citizens

Waste can never be reduced using these techniques

Did Covid and shift in consumer markets teach you nothing.

An alternative must be found.

Incineration on a smaller scale with state of the art scrubbers. Market the steam for electricity or .?

Only solution if this issue is truly a problem.

Recycle less not more. Glass. Metal. Aluminum. Transportation products. Tires etc.

System is not ready for plastics.

Reusing just delays the inevitable.

Place items not wanted out on the curb weekly

Stop using bins altogether for recycling. People are not flattening recycling. The recycling blows over and just makes a mess.

Again, think the city has done a good job here. But this is a two-way agreement and you are approaching a tipping point. Do not wage war on the people currently on your side. Accept the reality that our society and way of life does generate waste and focus on how best to deal with it. Attracting companies that use recycled goods as inputs. Would love to see a clean European Incinerator type project that generates power.

<p>Lending library <input type="checkbox"/></p> <p>Sharing hubs - online "free" store <input type="checkbox"/></p> <p>materials exchange <input type="checkbox"/></p> <p>Repair shops NEEDED!</p>
<p>Encourage businesses and suppliers to use recyclable materials</p>
<p>Already mentioned.</p>
<p>I am not sure what more people can do other than follow the program that is available. If you drive around, seems by the curb on garbage day there are 3-4 recycle boxes/bags compared to one garbage bag for most households. Promote no prepared food. I have almost no clam shell type packages. Get companies to use cardboard for bakery items for example. Anything left to reduce garbage is for companies. We are doing the best we can with what we are given. Time to attack larger companies as a CITY. I have tried to ask companies as an individual and get a "thank you" and that's it. To keep going after citizens without large company help is not getting us any further ahead. Imposing fines on us, refusing to take our garbage from the curb because they don't realize why you threw something away instead of recycling it and charging us for every bag, which is the plan, is only going to cause illegal dumping, bitterness and anger for the "cause".</p>
<p>When possible and affordable, we buy quality that will last a long time rather than items that will go out of style in a year or two or that will break easily.</p>
<p>Have monthly free days, encourage free social media sights. Have a City wide yard sale day in early May late September. Do 1 big garbage like 2 years ago, encourage kids in school they can convince adults. Give out prizes or drop flyers at individual houses on garbage day for both good and bad performance. Give free tag to someone who puts out recycle and compost with garbage.</p>
<p>Share stories of people locally living low waste and how they do so without 'going crazy' <input type="checkbox"/></p> <p>make treasure hunts easy and frequent <input type="checkbox"/></p> <p>promote local groups where people give away things they no longer need</p>
<p>Educate.</p>
<p>Public education, simple message, displayed in lots of public places. Street banners to promote reuse-reduce- recycle.</p>
<p>Please change the clear bags idea</p>
<p>Clear bags = good move. I think most people do all they can, or know to do, to reduce garbage. Having everything on display will focus attention on those who could do more, or anything. Retailers need to press suppliers to stop wrapping everything two or three times in plastic.</p>
<p>Reward - Give out a few free garbage tags for those who consistently recycle. Supply free bins to homes and rentals. Educate - Go after the ppl who don't have ANY recycle out ever on collection days!</p>
<p>transitioning to recycling bins with lids so stuff does not blow out and into the lakes. i think mandating clear garbage bags is silly. the guys who pick up the garbage should not be asked to monitor too-- and it would slow down their pickup. also i think it would be yucky to see people's garbage</p>
<p>Make it less onerous and more accessible to bring items for recycle and reuse to the City. This depot does not need to be the one and only at the waste diversion site. There can be additional depots or at least don't have the one and only in that Kitchener St. location.</p>
<p>Find more products that can be recycled.</p>
<p>Again related to putting some ownership on retailers, they should have to bear some responsibility for creating non-recyclable waste. For example, wax coated coffee cups and lids that can't be recycled. Single use disposables (like plastic straws and cutlery) should be banned. Even when I order takeout and ask for these items not to be included, often they still are. If people absolutely need those things, then they should be provided by request only, not the other way around. As a society we have become too accustomed to our culture of convenience. Most people won't make a change unless they're forced to do so.</p>
<p>A continual updated community education program on this very important issue would be a good idea.</p>
<p>I had recently heard that the City is considering the use of mandatory transparent bags for household waste. I think this is an excellent idea to discourage residents from putting either recyclable items or food waste in their tagged garbage bags.</p>
<p>In my opinion the program is working and does not need to change.</p>
<p>Do not force residents to use clear bags. This is a horrible idea, and I believe residents should have been allowed to vote on such a plan. There are many things with this which can be considered a breach of privacy. No one wants their neighbours seeing some of their garbage. The use of 2 little privacy bags, are not enough to remove the privacy concerns. As a female, I do not want to put my garbage on display as my private life is of no one else's concern.</p>
<p>I wonder if there are better ways to dispose of cat litter and dog poop. We have a cat and I clean her litter every day and replace her litter every month. The litter in one box (she has two) needs one garbage tag due to the weight so two garbage tags a month are used for litter. Our dog poops twice a day and it gets put in the garbage can in the park.</p>
<p>Please update and be more specific about what items are acceptable in the green bin for compost and are acceptable in the recycling box. Could a 'hot-line' forum be established where residents can call/email in with their include/don't include questions? It could also be a place where people can share reuse ideas for items that are not currently accepted.</p>
<p>Scrap the clear bag program. Clear bags won't discourage waste just invade privacy. Sensitive information is often disposed of rather than recycled and clear bags are an invasion of privacy and no real proof they will reduce waste.</p>
<p>Send out a clear acceptable "recycling/compost/garbage" sign for each house/unit. Something that says what plastics are accepted, ect. A lot of people don't think to look it up or can't look it up. So having something to hang up would help some if not most.</p>

people need to really care about this issue and I think many adults are too busy to stop and think about all the waste we are creating. Getting children actively involved would be the best way for the future of waste reduction.

Incineration.

Public campaigns and advertising would help. Involve schools and maybe give out awards.

Name	Comment
L Kidd	<p>I just had a few thoughts. I think there needs to be more education on what is exactly recyclable. A lot of the recycling that is coming to the landfill is mixed, contains food, are incorrect plastics, placed in the wrong containers etc. For example, the other day a woman brought her recycling which contained broken dolls, pots, 1/2 filled ketchup bottles and more and more incorrect stuff. What I find incredible is the fact that - they try - they just get it completely wrong. I think that there should be an education blitz so that the Orillia residents know exactly what is recyclable. I think they need to know that bottles with salad dressing, ketchup, jars with peanut butter in them, etc., aren't acceptable. I think there should be something like..."just because it's plastic, doesn't mean it is recyclable at this time". You won't believe how many people are stunned by the fact that not all plastics are recyclable!!!! I've had plastic coolers, plastic patio chairs, and just an array of plastic thrown into the recycling bins. Perhaps a media blitz will help to get this correct.</p> <p>I think this might help minimize contaminated recyclables.</p>
B Thompson	<p>The Orillia Tool Library and Makerspace began with a small group in the fall of 2017 and became an Ontario registered non-profit at that time with three volunteer Directors. We are now a group of four and continue to try to locate near the downtown area. Various restrictions over the past year or so have only delayed what was already a difficult process to find a suitable location and arranging for startup funding and attracting members.</p> <p>Many Tool Libraries have been setup around the province over the past several years. Cities like Toronto, Ottawa and Peterborough to name a few. The Makerspace idea has been around even longer with too many to mention. Newmakit in Newmarket is an example of a similar size for our planned activities. A tool library contributes to the sharing economy in a way that is difficult to measure. However, the spinoff effect is that many items get diverted away from landfill and recycle as they are shared, repaired and re-used. This not only includes 'tools', but can involve other items, such as camping gear, specialized appliances, etc. We are not trying to replace existing tool suppliers, hardware vendors or rental companies. We are there to help those who might not know how to approach a DIY job around the home and to assist them with safely using the proper item for the job among other benefits.</p> <p>The OTL and Makerspace has also been involved with the local Repair Cafe's that have been popular for the past few years in Orillia. All of this activity helps to ensure that common tools, household and recreational items get a chance to be either reused, repaired or at least properly recycled and disposed of when the time comes.</p>
L Hanson	<p>I have a couple of additional comments from yesterday's session.</p> <ol style="list-style-type: none"> <li>1. First off, great session. I came away knowing much more than when I went into the session.</li> <li>2. I'm all for metrics. We should strive to report on anything that can be measured. I think it would be useful to also have an Ontario Average, and/or examples of best of breed municipalities. Showing these on slide 8 would show where we stand amongst other municipalities.</li> <li>3. I think the Diversion Site should strive to be like the one in Richmond Hill. Where you can donate to Goodwill/the Restore, drive up to numerous station and drop off your recyclable contents directly into bins, everything that can't be recycled goes to an area that eventually goes to landfill. Good signage and paved roads.</li> </ol> <p>Again I thought the session was done really well a lot of good feedback provided.</p>
K Duncan	<p>Further to the survey I would like to submit some other ideas . I accidentally sent the survey without including these points.</p> <p>The city is attempting to recycle shingles. I do not agree with the city recycling this product. This product require a lot of care to make sure that the waste is clean and free from leaves and moss as dirt and organics and not contaminated with soil. These contaminates are undesirable and detrimental to the making of asphalt .</p> <p>Also if the shingles are piled up waiting to be hauled away and we get a hot summer the asphalt in the shingles can melt and stick together making them difficult to handle. I would not like the city to end up with a pile that were not suitable for recycling and end up paying expensive demurrage to haul away . I would also speak against them being buried in the Orillia land fill to get rid of them.</p> <p>The other product that I would recommend that the city stay away from accepting is concrete. Unless you have a large area and can store thousands of tons the processing cost can be greater than the product is worth and may have to be subsidized by the City . I say this because the great availability of the granular products in our own back yard.</p> <p>The stock piling of the concrete can be very destructive on the equipment e.g. cutting edges and buckets the repairs can run into thousands of dollars .</p> <p>Feedback or discussion would be welcome.</p>

A Howard	I live at [REDACTED] apt. We don't do green bin. I think apartment owners should be forced to provide these services. The garbage is picked up twice weekly. Imagine the land fill. We do recycle but this is not enough
T Bridgens	<p>We are fortunate usually to spend winters in Venice Florida which is about the same size town as Orillia, so we noticed:</p> <p>In 2019 Venice equipped everyone with garbage bins and recycle bins that were made to be picked up by a specially designed truck. The bins were huge....30" x 30" x 40"</p> <p>The trucks come by twice a week, to do recycling on Tuesday and everything garbage on Friday.</p> <p>With the new bins the speed of pickup is incredibly fast and the labour requirement is far less.</p> <p>I just thought I would mention this. It is up to the contractor, what he does, I guess.</p>

Sustainable Orillia see 2 page submission by A. Bayens and D. Epstein attached.

Sustainable Orillia's recommendations for the  
**City of Orillia Waste Minimization Plan**  
*Written by Audrey Bayens and Danny Epstein*

Recommendations implemented that resulted in (or will result in) increase in diversion from Orillia's Waste Diversion Site (WDS) include:

- Clear garbage bag program –begins February 2022;
  - Is there “enforcement” by waste pick up crew when contents of bag contain recycle or compostables? Such as not taking the bag?
  - RECOMMENDATION – a public media campaign previous to Feb launch to inform the public as to “why” the bags are clear now and the proven success of other cities using this collection method.
  
- Reuse Depot at the WDS expanded in 2018 to include household items;
  - This is a wonderful addition for people to be able to extend the life of goods destined for landfill.
  - RECOMMENDATION – create a connection to repair companies, create job opportunities for learning repair skills. See [City of Toronto Repair Cafe](#) and [York Region's Repair Cafe](#) success here.
  - Expanding the types of items that can be left at the landfill for others to pick over. I think there also needs to be some incentive to bring things to the landfill that could be reused but are not acceptable to Restore or Salvation Army. Currently one has to pay \$15.00 to leave items that could be reused. This needs to be looked at as this is a dis-incentive. The city of Cape Cod for example has an area dedicated to re-usable items. This would require some reconfiguration of the site as it currently is.
  - Set up a mobile “yard sale” that is set up in an empty lot for the day. Much like a “street yard sale” but encompassing the City and open to apartment and condo dwellers
  
- New Rigid Plastics (Internal) Depot at the WDS started in 2018;
  - RECOMMENDATION – Congratulate public on the increase in blue bin use and publish the “story” of increased product type added over the years presented in the Open House. It is a wonderful way to inspire and support the public’s understanding of what to put in the bin.
  
- Garbage tags allotted to households reduced from 25 to 20 tags per year in 2017;
  - RECOMMENDATION – great results from this incremental reduction of tags each year. Publish a “celebration” and thank the community for participating.

- Paper Yard Waste Bag program began in 2017 (less plastic waste and faster fall leaf collection service).
  - Extremely successful program
  - RECOMMENDATION – create more public awareness of the “relationship” to what the public does to create the output and how they can use it.

**Low hanging fruit for potential diversion includes:**

- Pet waste
  - RECOMMENDATION: place pet waste compostable bins at all parks and trails that are frequented by dog walkers. Include an information board beside the composter informing them of how to find out more of how to do this at home. Offer workshops to demonstrate how to set it up, ensure there is no odor and the use of the output. Consider a “no Cost” doggie poop composter.
  
- Textiles
  - RECOMMENDATION - Have a textile collection day a few times a year. I understand Simcoe County does this successfully.
  
- Disposable Diapers:
  - RECOMMENDATION – Do a separate collection for bags with diapers. It is mentioned that those bags do NOT need a garbage tag, so make this the incentive. Question – is there a way to divert these to a high level anaerobic digester centre?
  
- OTHER - CONDO AND APARTMENTS:
  - RECOMMENDATION: Other: The city still has a challenge with respect to Apartments and Condos. It is not enough to provide education to tenants or condo owners. Need to bring more of a carrot and stick philosophy. For examples, leases need to include a legally enforceable clause making tenants responsible for recycling. If tenants don’t recycle, then the owner could increase rent to cover increased costs to tenant for recycling and/or fines by the city. The apartment owners need to be offered an incentive of some kind to get tenants to participate in recycling for example, lower their tax bill by a set amount (maybe 1%). If owners don’t proactively have a recycling program in place, then the owner should be fined. Similar carrot and stick should be put in place for condo corporations.
  - Ask condo owners to adopt the clear bag program for tenants - smaller bags? Code bag tags with Unit Owners name.



Corporate Services Department  
Clerk's Division

T: 705-325-1311  
F: 705-325-5178  
✉ clerks@orillia.ca  
🌐 orillia.ca  
📍 50 Andrew St. S., Suite 300,  
Orillia, ON L3V 7T5

**To:** Greg Preston, Manager of Environmental Services  
**Copy to:** Andrew Schell, General Manager of Environment  
and Infrastructure Services  
**From:** Robin Cadeau, Assistant Clerk  
on behalf of the Waste Management Advisory Committee  
**Date:** May 18, 2021  
**Subject:** **Public Consultation Results for the 2021 Waste Minimization Plan**

---

The following is a copy of a recommendation adopted by the Waste Management Advisory Committee at its meeting held on May 17, 2021:

*“THAT the public consultation feedback on the development of the 2021 Waste Minimization Plan be received and forwarded to staff for inclusion in the responding report to Council;*

*AND THAT the Waste Management Advisory Committee provides the following additional comments with respect to recommendations and priorities for the 2021 plan:*

- *Promotion opportunities are key (e.g. plastic bags, specifics of “what goes where”)*
- *Promote of re-use opportunities such as lending libraries (e.g. tools, books, other)*
- *Increase use of social media and new communications tools for all promotions – use the evolution of historical waste diversion successes to educate and congratulate the public*
- *Consider expanding the Re-use Depot*
- *Explore new diversion opportunities such as pet waste, textiles (including shoes), sofas, baby car seats*
- *Make sales of green compost bins, recycling boxes more accessible in more City locations; consider range of sizes available*
- *Assess user pay program for large item pick-up, hazardous waste pick-up and waste electronics pick-up*
- *Consider extending Saturday hours of operation at the Waste Diversion Site.”*

WMAC members Peter Gumbrell and Lois McRae are commended for their assistance in the preparation of public information tools, advertising, news release, FAQ's for the website and survey content. Peter also did a great job facilitating the Virtual Open House.

The schedules of submitted comments and survey results are attached.

:rc  
Attach.