



The County of Peterborough  
County Council

To: Warden and Members of Council  
From: Catrina Switzer, Waste Management Administrative Coordinator  
Date: June 26, 2019

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**Subject: INF 2019-017 2018 Resource Productivity and Recovery Authority Datacall and Waste Management Master Plan Update to Council**

**Recommendation:** Receive for Information.

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**Overview**

County Staff compiles and submits a report to the Resource Productivity and Recovery Authority (RPRA) on a yearly basis detailing information and data regarding all waste and diversion activities in the County. RPRA uses the data provided to determine the County's diversion rate and to allocate funding for the Blue Box Program.

**Background**

RPRA uses the "Datacall" to collect information from Ontario Municipalities related to waste as a mechanism to fund the Municipal Blue Box Programs. The Datacall also collects the tonnage data for all the waste management programs provided to residents by the Townships and the County.

The Datacall Report is a summary of all the information gathered from the Townships, the County and the City of Peterborough for all diversion activities such as:

- Construction and Demolition (C&D) and scrap metal;
- Hazardous Waste and Electronics Recycling;
- Blue Box (depot and curbside); and,
- Organics and Leaf and Yard Waste programs.

All of these activities, including garbage, are compiled into the Datacall Report and submitted to the RPRA. The Datacall Report, is verified by RPRA staff and this determines the amount of Blue Box funding received annually by the County from Stewardship Ontario.

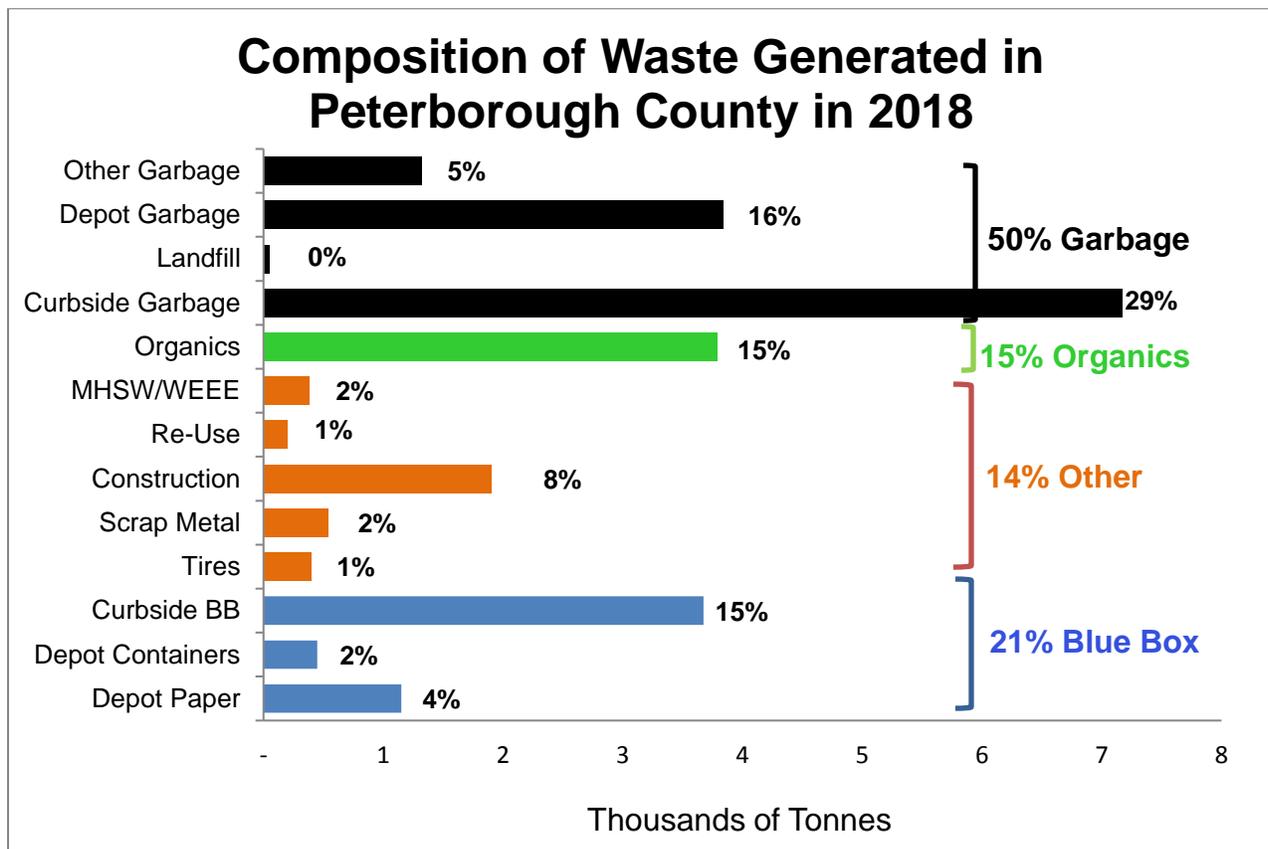
County Staff presents a report on an annual basis to County Council on the information provided to RPRa through the Datacall, as well as the progress on the County's Waste Management Master Plan (WMMP) goals and the updated diversion rate.

The WMMP set long term goals for diversion achievements to be reached by 2030 as shown in Figure 2 below.

### 2018 Waste Generation in the County of Peterborough

Figure 1 below shows the composition of waste, outlining each measured category of diversion and garbage for the County in 2018.

Figure 1: Composition of Waste 2018



### Waste Composition Comparison 2010 to 2018

Figure 2 below highlights the materials targeted by the WMMP and the starting data point of 2010, the current 2018 data year and the 2030 goal. The final column highlights how the County is progressing towards the end goals.

The WMMP goals were determined during the development of the WMMP by reviewing waste audit data to determine how much material was available to divert from the garbage.

Figure 2: WMMP Diversion Goals

Material Type	2010 (tonnes)	2018 (tonnes)	WMMP Goals (2030)	Tonnes to WMMP Goal
Blue Box – Curbside	3,325	3,675	<b>4,848</b>	-1,173
Blue Box – Depot Fibre	1,182	1,152	<b>1,385</b>	-233
Blue Box – Depot Container	460	448	<b>693</b>	-245
Tires	305	402	<b>458</b>	-56
Scrap Metal	650	542	<b>531</b>	✓ +11
Construction	860	1,905	<b>1,741</b>	✓ +164
Organics	2,355	3,792	<b>7,163</b>	-3,371
Reuse	54	199	<b>n/a</b>	✓
Hazardous Waste (MHSW)	153	185	<b>248</b>	-63
Electronics (WEEE)	86	200	<b>267</b>	-67
Calculated Residue	656	1,331		
Garbage – Curbside	6,734	7,174		
Garbage – Depot	6,960	3,843		
<b>Overall Diversion Rate</b>	<b>39%</b>	<b>50%</b>	<b>60%</b>	<b>-10%</b>

As shown in Figure 2, although only three (3) of ten (10) goals are showing to be achieved, most goals have increased significantly over the past 8 years since the implementation of the WMMP.

There is more garbage and blue box recycling collected at curbside than at the depot, and the amount of material collected at depots has decreased further in recent years. The overall reduction in depot garbage is mainly a result of program changes.

Depot garbage tonnages were dramatically reduced by the implementation of clear bags for garbage in Trent Lakes in 2017 and further reduced in 2018 with the implementation of clear bags for garbage in Douro Dummer and Asphodel Norwood.

The introduction of clear bags for garbage allows for staff and curbside collectors to see hazardous and blue box materials which are banned from landfill. Residents are therefore encouraged to utilize the diversion programs in place within their township or available

through County partnerships such as the City's Pido Road facility for hazardous waste and electronics.

The overall blue box materials tonnages continues to decrease due to light weighting of materials (thinner plastic and cans) and the packaging choices of companies with changes from glass to plastic to pouches. Overall, the volume of materials continues to increase as consumers demand to be able to purchase items in larger quantities in a single purchase.

The reported organics tonnage includes a calculation for material collected in backyard composters as well as the collected tonnes of leaf and yard materials (curbside and depot) and the organics collection pilot programs (curbside and depot). Overall, tonnages collected by this program continue to increase as awareness increases.

The tire diversion number is a calculated value assigned by the RPRA based on Statistics Canada population values. The calculated residue is also a value designated by RPRA.

The highlight of 2018 is an overall reduction in garbage in the County of over **900 tonnes!**

### **Financial Impact**

The Blue Box funding to be received for the 2018 reporting year will be reported to municipalities by the end of 2019 for payment through 2020/2021. The funding received by the County from Stewardship Ontario is calculated based on the performance of the Blue Box program from the data submitted to the RPRA through the Datacall Report. The funding for the 2017 reporting year to be paid in 2019/2020 is \$707,440.

### **Anticipated Impacts on Local and/or First Nations Communities**

Each Township provides waste management services to its residents along with programs provided by the County such as Blue Box and Hazardous Waste. All waste is transported to the Peterborough County City Waste Management Facility for disposal. It is advantageous to the townships to ensure residents use all diversion activities provided by the Township and the County to extend the life of the landfill and provide cost efficiencies for the local tax base.

Curve Lake First Nation contracts blue box recycling collection through the County and also participates in the electronic collection program under the County contract.

### **Link to County of Peterborough Strategic Plan Priorities**

Community Values and Cultural Identity

#### **In consultation with:**

1. Troy Speck, CAO
2. Grant Murphy, Director, Infrastructure Services
3. Tara Stephen, Manager, Waste Management

4. Township Staff
5. City of Peterborough Staff

**Communication Completed/required:**

Staff from each Township were provided with the overall County information as well as their individual reports in June 2019. Each Township is provided with a report card outlining the diversion and waste activities and the final diversion percentage for that township.

**Attachments**

1. 2019-06-26 Datacall and WMMP 2018 Update

Respectfully Submitted,  
Original Signed by  
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