



Staff Report

Meeting Date: June 7, 2023

To: County Council

Report Number: PPW 2023-11

Title: Resource Productivity and Recovery Authority Datacall and Waste Management Master Plan Update to Council

Author: Catrina Switzer, Waste Management Administrative Coordinator

Approval: Sheridan Graham, CAO

Recommendation: That report PPW 2023-11 Resource Productivity and Recovery Authority Datacall and Waste Management Master Plan Update to Council be received.

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 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 tonnage data for all waste management programs provided to residents by the Townships and the County.

Although RPRA did not require a formal "Datacall" to be completed for the 2022 collection year due to the transitioning of the Blue Box January 1, 2024, to the producers, County staff did compile all the waste tonnage information as per usual.

This report is a summary of relevant waste 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,

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- Organics and Leaf and Yard Waste programs.

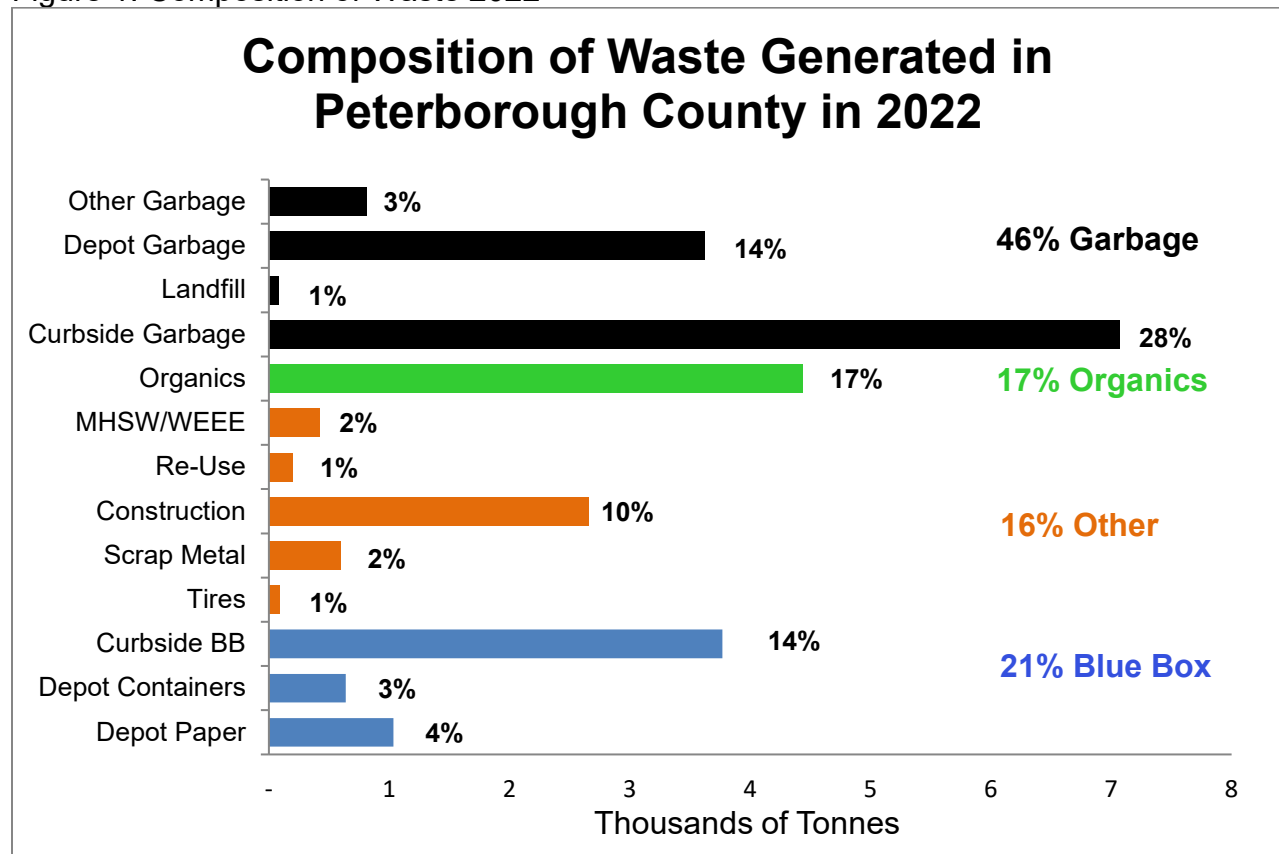
All these activities, including garbage, are compiled into this report.

A County Staff report is presented on an annual basis to County Council on 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. For the 2022 data collection year, no information was provided to RPRA as per their direction due to the County transition date of January 1, 2024, for the Blue Box program.

Analysis

The WMMP sets long term goals for diversion achievements to be reached by 2030. Figure 1 below shows the composition of waste, outlining each measured category of diversion and garbage for the County in 2022.

Figure 1: Composition of Waste 2022



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Waste Composition Comparison 2010 to 2022

Figure 2 below highlights the materials targeted by the WMMP and the starting data point of 2010, the 2021 data year, the current 2022 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)	2021 (tonnes)	2022 (tonnes)	WMMP Goals (2030)	Tonnes to WMMP Goal
Blue Box – Curbside	3,325	4,024	3,769	4,848	-1,079
Blue Box – Depot Fibre	1,182	923	1,034	1,385	-351
Blue Box – Depot Container	460	696	640	693	-53
Tires	305	443	90	458	-368
Scrap Metal	650	585	595	531	+64
Construction	860	2,895	2,660	1,741	+919
Organics	2,355	3,629	4,436	7,163	-2,727
Reuse	54	103	199	n/a	
Hazardous Waste (MHSW)	153	191	253	248	+5
Electronics (WEEE)	86	204	201	267	-66
Calculated Residue	656	1,503	812		
Garbage – Curbside	6,734	7,316	7,067		
Garbage – Depot	6,960	3,976	3,618		
Overall Diversion Rate	39%	51%	54%	60%	-6%

As shown in Figure 2, three (3) of ten (10) goals are showing to be achieved. Most goals have increased significantly over the past eight (8) years.

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 made by Townships over the years.

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. Reductions in depot



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garbage did occur in both Cavan Monaghan and Otonabee-South Monaghan with the introduction of clear bags in 2019 and 2020 respectively. Further reductions in depot garbage occurred in 2021 with the implementation of clear bags for garbage in North Kawartha and Havelock-Belmont-Methuen.

The introduction of clear bags for garbage allows for depot 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 blue box materials tonnages decreased by 3.5% in 2022 over 2021. Contributing factors may have included: residents and students back to the office and school, and cottagers and residents alike may have been affected by economic factors in 2022 leading to decreases in all waste factors. The decrease was in the curbside collection while the depot programs overall was a slight increase in tonnes.

The reported organics tonnage includes a calculation for material collected in backyard composters and Food Cyclers 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 these programs continue to escalate as awareness increases.

The tire diversion number in the past was a calculated value assigned by RPRA based on Statistics Canada population values. The actual tonnes of tires collected at depots in the County was used in the calculation of overall diversion. The calculated residue was also previously a value designated by RPRA. The material included in this item is the residue from the recycling facility allocated to County collections.

The County's overall diversion rate increased in 2022 to 54% from 51% in 2021.

Financial Impacts

Blue Box funding to be received for the 2022 reporting year was reported to municipalities in early 2023 for payment through 2023/2024. 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 RPRA through the Datacall Report. The funding for the 2021 reporting year to be paid in 2023/24 is \$1,257,471.

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



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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 participates in the electronic collection program under the County contract. The collection data from Curve Lake First Nation is not included in this report.

Alignment to County of Peterborough Strategic Plan Priorities

To provide high quality services to residents, businesses, and Townships:

Communications – To elevate the County of Peterborough's profile, enhance community engagement, and communicate proactively.

The County of Peterborough provides Township staff and residents with up-to-date information regarding blue box recycling best practices throughout the year in multiple forms including meetings, direct mail, and social media platforms.

Financial Responsibility – To ensure evidence-informed planning and approaches to achieve financial sustainability and accountability, while keeping ratepayers top of mind. The County of Peterborough works proactively through the budget process and with local Townships to provide a cost-effective recycling program to residents and maximize funding for the blue box program.

In consultation with:

1. Sheridan Graham, CAO
2. Bryan Weir, Director of Planning and Public Works
3. Kerri Snoddy, Manager, Waste Management
4. Township Staff
5. City of Peterborough Staff

Communication Completed/required:

Staff from each Township will be provided with the overall County information as well as their individual reports. Each Township is provided with a report card outlining the diversion and waste activities and the final diversion percentage for the individual Township.

Attachments

PPW 2023- 011 WM Datacall & WMMP Update 2023 – Presentation to Council

Respectfully Submitted,



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Catrina Switzer,
Waste Management Administrative Coordinator

For more information, please contact
Catrina Switzer
cswitzer@ptbocounty.ca
705 775 2737 ext. 3302