

## TOWNSHIP OF ASPHODEL-NORWOOD

**REPORT TO COUNCIL**

Date: November 10, 2020

From: Jeff Waldon, Manager of Public Works and Environmental Services

Re: 2019 Waste Management Diversion Report

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**RECOMMENDATION**

**“THAT** the Council of the Township of Asphodel-Norwood receives this report regarding the 2019 Waste Management Diversion Report for information.”

**BACKGROUND**

The waste management report is generated annually by Peterborough County and presented to lower tier Townships typically in June at the Waste Management Committee meeting. However, due to pandemic there have been no meetings and a brief delay in receiving the data.

As seen in the attached waste management report, Asphodel-Norwood has the second highest waste diversion percentage in the County at 60% with Trent Lakes leading the way at 62%. The 60% represents an 8% increase over 2018.

Some key drivers of diversion are:

- Depot garbage reduction of 9 tonnes compared to 2018;
- Curbside garbage reduction of 145 tonnes compared to 2018;
- An increase in tonnage of waste electronics of 14 tonnes;
- An increase in organics collection of 24 tonnes, (a successful curbside leaf collection program aided in this);
- Blue box curbside and the recycling depot realized a small reduction in tonnage compared to 2018, this has been linked to lighter packaging materials being used for many products.

The reduction in curbside garbage is the main contributor to the successful diversion percentage. The continued increase in diversion is a clear indication that the residents are committed to following the clear bag protocols and utilizing the recycling programs available to them.

**SUMMARY**

Unfortunately, this will be the last accurate look at the diversion rates until 2022 when 2021 will be reviewed and presented. Many diversion programs were halted due to the pandemic and the Transfer Station was closed for a brief period in the spring of 2020, therefore diversion rates for 2020 would be highly inaccurate. All these factors will lead to an inaccurate diversion rate for 2020.

These diversion results will be publically communicated through the Township's social media accounts and website to ensure the residents are aware of the positive impacts of their participation in waste diversion programs.

Prepared by: Jeff Waldon, Manager of Public Works and Environmental Services

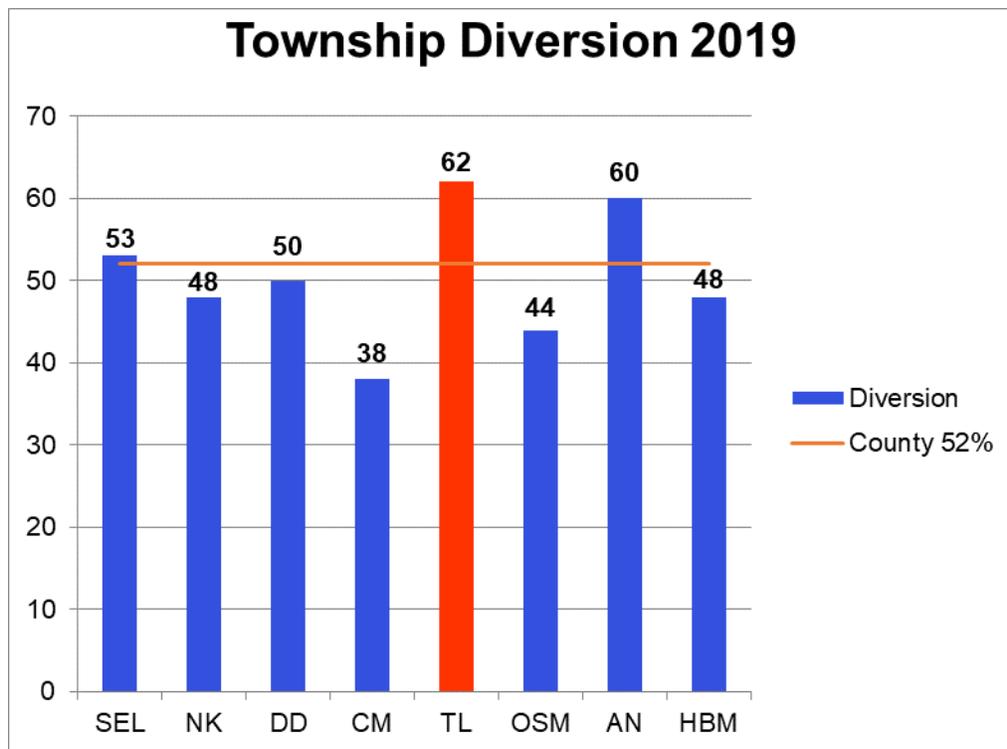
Reviewed by: Candice White, CAO/Clerk/Treasurer

# Asphodel Norwood 2019 Waste Management Report

The Resource Productivity and Recovery Authority (RPRA) Datacall is a waste management report done yearly by County of Peterborough Waste Management to ensure funding of the Blue Box Program. The Datacall is used as a report card by RPRA to determine overall diversion rates and compliance with waste management best practices.

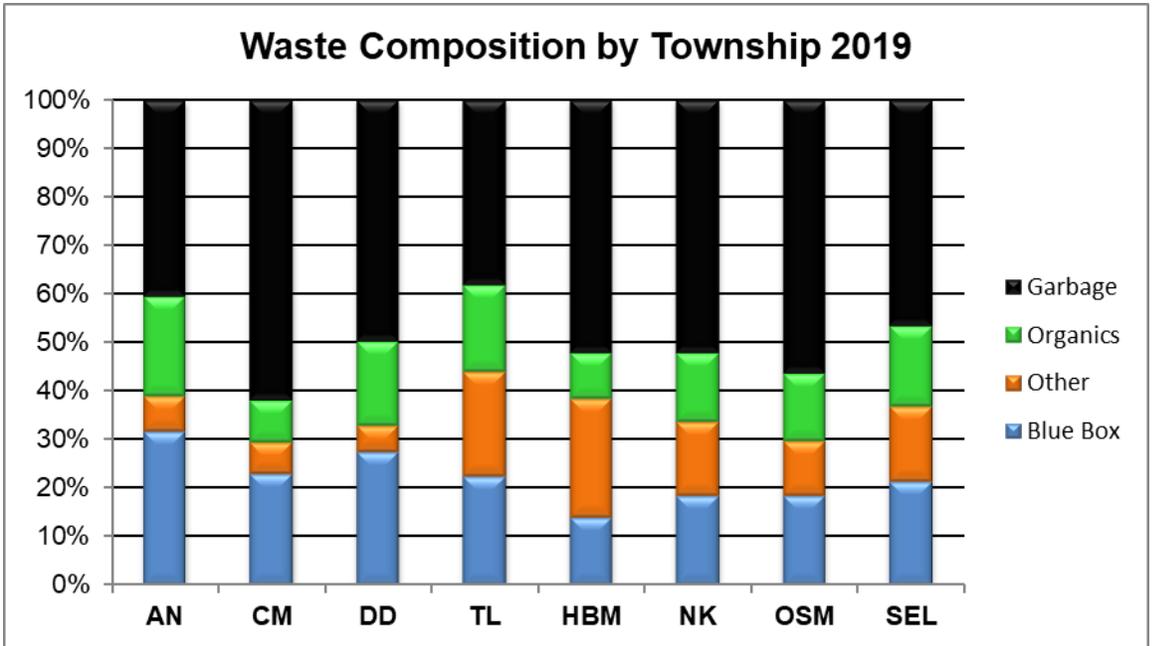
Figure 1 below shows the County diversion rate at 52% with township diversion rates ranging from 38% to 62% in 2019.

**Figure 1: County and Township Diversion Rates 2019**



Waste in the County is composed of garbage and various recyclable or divertible commodities such as blue box materials, scrap metal, construction materials, hazardous waste and organic waste. Figure 2 below shows the composition of waste by township. The 'other' category includes scrap metal, construction waste, hazardous waste and electronics, textiles and reuse.

**Figure 2: Composition of Waste by Township in 2019**



\*Organics includes backyard composting, leaf and yard and organics;  
 Other includes: C&D, scrap metal, reuse, MHSW/WEEE, tires, mattresses, hard plastics

Figure 3 below compares Asphodel Norwood and County statistics from 2018 and 2019. The residential households are all households including seasonal households as derived from MPAC and the County planning department.

**Figure 3: County and Asphodel Norwood Comparison**

Year	Municipality	Households*	Garbage Per hhd (kg/yr)	Blue Box Recycling Per hhd (kg/yr)	Overall Diversion Rate (%)
2018	Asphodel Norwood	1,783	355	226	<b>52</b>
	County	33,925	345	158	<b>50</b>
2019	<b>Asphodel Norwood</b>	<b>1,926</b>	<b>248</b>	<b>193</b>	<b>60</b>
	<b>County</b>	<b>35,302</b>	<b>331</b>	<b>154</b>	<b>52</b>

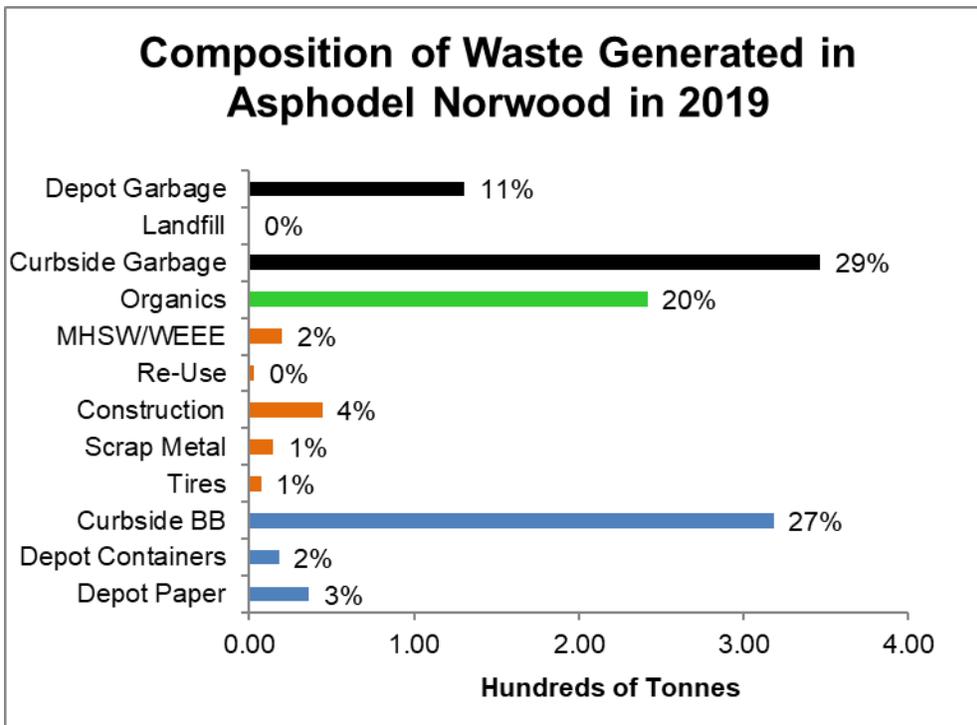
Waste composition will be a bit different every year as resident’s disposal habits change or events happen in their lives. The waste composition for Asphodel Norwood is shown below in Figure 4 and compares data from 2016 to 2019.

**Figure 4: Changes in Asphodel Norwood Waste Composition 2016 to 2019**

Material Type	2016 Tonnes	2017 Tonnes	2018 Tonnes	2019 Tonnes
Curbside Blue Box	304.85	322.27	347.22	318.32
Depot Paper	36.85	41.75	38.15	36.28
Depot Container	14.27	20.84	17.88	18.04
Tires	36.01	6.71	10.12	7.42
Scrap Metal	18.90	22.85	19.97	14.84
Construction	15.28	53.76	40.71	44.43
Organics	190.87	228.09	217.81	241.93
Re-Use	0.00	0.00	2.10	3.06
MHSW/WEEE	10.67	11.42	6.35	20.10
Curbside Garbage	478.60	513.30	491.68	346.62
Landfill	0.00	0.00	0.00	0.00
Depot Garbage	148.85	157.26	141.24	130.87
<b>Overall Diversion Rate</b>	<b>50.01%</b>	<b>51.35%</b>	<b>52.53%</b>	<b>59.60%</b>

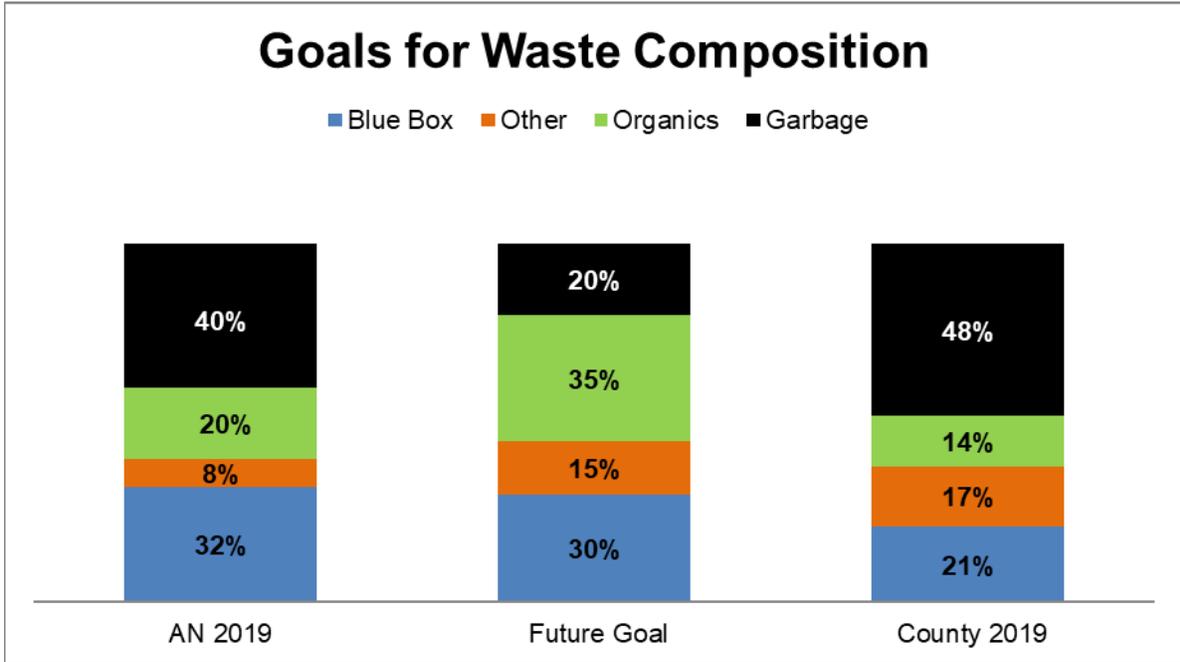
Figure 5 below shows the 2019 composition of waste for Asphodel Norwood by percentage.

**Figure 5: Composition of Waste in Asphodel Norwood in 2019**



The County has conducted many waste audits over the years. The future goals for waste composition shown in Figure 6 is based on this data and the assumption of diversion programs being available.

**Figure 6: Future Goals for Waste Composition**



**Waste Management Terminology**

Acronyms:

BB = Blue Box

BYC = Backyard Composting

C&D = Construction & Demolition

MHSW = Municipal Hazardous or Special Waste or Household Hazardous Waste

WEEE = Waste Electronics and Electrical Equipment or Electronics Recycling

HHL D = Household

GAP = Generally Accepted Principles (Datacall generated number)

Where the numbers come from:

- City of Peterborough scale reports (Landfill and Recycling Facility)
- RPRA Datacall – calculations and other resources
- Township Staff – estimates and/or scale records
- Household Data – Municipal Property Assessment Corporation (MPAC) and County Planning Department