

DATE OF MEETING APRIL 6, 2020

AUTHORED BY [KIRSTEN GELLEIN, ZERO WASTE COORDINATOR]

SUBJECT [SOLID WASTE SUMMARY REPORT: 2019]

OVERVIEW

Purpose of Report:

To provide Council with the City of Nanaimo's inaugural Solid Waste Summary Report for 2019.

BACKGROUND

Over 2017 and 2018 the City of Nanaimo transitioned to a fully-automated solid waste collection program. With 2019 being the first full year of this program, it is considered a benchmark year.

The Sort Toss Roll program accomplished several objectives:

1. Increased resident convenience;
2. Introduced curbside yard waste pick up, comingled with the kitchen waste program; and,
3. Improved worker safety and reduce injury rates compared to manual collection.

DISCUSSION

Staff produced the attached Solid Waste Summary Report: 2019 as a means of monitoring process of the City's solid waste collection program.

Nanaimo is one of a few municipalities collecting all three waste streams with a single vehicle – dramatically reducing greenhouse gas emissions by eliminating separate vehicles.

Highlights of the Solid Waste Summary Report: 2019 include:

- Overall diversion from landfill at 66 percent, up one percent from the previous year.
- An increase in curbside collection of 88 kilograms per household (mostly attributed to comingled pickup of organics materials).
- Significant increase in the number of homes serviced; up by 520 households from year start to end.
- A decline in residential self-haul trips to the landfill, a decrease by ten percent from the previous year.

SUMMARY POINTS

- As the first full year in which all curbside customers utilized the automated collection service, 2019 solid waste generation rates will serve as a benchmark for future years.
- In 2019, 65 percent of curbside waste was diverted from the Regional Landfill, rising slightly above the 2018 rate of 64 percent.
- The increase in curbside capacity for landfill and organics waste resulted in fewer self-haul trips to the Regional Landfill, and lower total landfilled tonnages from curbside and self-haul customers.

ATTACHMENTS:

- A. Solid Waste Service Summary Report: 2019
- B. Solid Waste Summary 2019 Presentation |

Submitted by:

Kirsten Gellein
Zero Waste Coordinator |

Concurrence by:

David Thompson
Former Acting Manager,
Sanitation & Recycling

Taaj Daliran
Manager, Sanitation & Recycling

Bill Sims
General Manager,
Engineering & Public Works |