

306-5 Waste directed to disposal
General KPI Information

a) GRI description:	Waste Directed to Disposal
b) Calculation protocol available in:	GRI Standards, GRI 306: Waste GRI Standards can be downloaded at the following link: https://www.globalreporting.org/standards
c) Boundaries:	Air Canada (Canadian offices and facilities / onboard waste for domestic mainline stations)

Reporting requirements

- a. Total weight of waste directed to disposal in metric tons, and a breakdown of this total by composition of the waste; see tables below
- b. Total weight of hazardous waste directed to disposal in metric tons, and a breakdown of this total by the following disposal operations:
- Incineration (with energy recovery); see table
 - Incineration (without energy recovery); see table
 - Landfilling; see table
 - Other recovery operations; see table
- c. Total weight of non-hazardous waste directed to disposal in metric tons, and a breakdown of this total by the following disposal operations:
- Incineration (with energy recovery); see table
 - Incineration (without energy recovery); see table
 - Landfilling; see table
 - Other recovery operations; see table
- d. For each disposal operation listed in Disclosures 306-5-b and 306-5-c, a breakdown of the total weight in metric tons of hazardous waste and of non-hazardous waste directed to disposal:
- onsite; see table
 - offsite; see table
- e. Contextual information necessary to understand the data and how the data has been compiled
- The waste data is for Canadian offices and facilities, special projects, and for onboard waste from domestic mainline stations. Waste generated from customer service activities at airport terminals is not monitored by Air Canada as this waste is accounted for by the airports in which we operate. In 2020, new data became available allowing for additional waste categories to be calculated moving forward. In addition, data for 2019 were adjusted accordingly.
- The hazardous waste data for offices and facilities was gathered by contacting designated contracted hazardous waste vendors. It is important to note that the hazardous waste data collected from the vendor includes both hazardous materials and other environmentally sensitive materials (such as used oil cans). Year over year change can be explained by the timing of maintenance operations, the consolidation of underlying data, and the accumulation of small changes in several stations across Canada. Volumes are also influenced by the amount of construction and demolition conducted throughout the year. Hazardous waste is either disposed of through incineration without energy recovery or landfill. Hazardous waste liquids such as oily water or wastewater mixed with detergents and soaps are disposed of through deepwell injection.
- The non-hazardous waste data for offices and facilities were collected by the designated building management company, and other non-hazardous waste such as textiles and donation data is collected by the receipt of reports from companies that fall outside the designated contract. Year over year variation can be accounted for by increases in the operational needs of the organization and construction and demolition projects throughout the year. Non-hazardous onboard waste was collected by conducting waste audits of select flights. Year over year variation can be accounted for by changes in flight demand and recycling improvements throughout the year.
- An overall annual increase in waste generated 2021 is explained by station re-openings following a decrease in operations due to the COVID-19 pandemic in 2020. In 2021, no flights were audited due to the COVID-19 pandemic, therefore, the average waste generated per passenger was calculated and applied to all flights.
- Hazardous waste generated remains stable between 2020 and 2021, however, an increase in the total hazardous waste sent to disposal was recorded in 2021. Whether hazardous waste is disposed of or diverted varies based on the type and location of hazardous waste generated per year.

2021
Table 1: Waste directed to disposal (t)

NON-HAZARDOUS WASTE	Onsite	Offsite
Disposal operation		
Energy Recovery		306.39
Landfill		1,553.24
Total		1,859.63

Table 2: Waste directed to disposal (t)

HAZAROUS WASTE	Onsite	Offsite
Disposal operation		
Deepwell		27.86
Incineration		9.74
Landfill		169.00
Total		206.60

2020
Table 3: Waste directed to disposal (t)

NON-HAZARDOUS WASTE	Onsite	Offsite
Disposal operation		
Energy Recovery		140.52
Landfill		1,373.48
Total		1,514.00

Table 4: Waste directed to disposal (t)

HAZAROUS WASTE	Onsite	Offsite
Disposal operation		
Deepwell		2.19
Incineration		11.36
Landfill		105.25
Total		118.81

2019
Table 5: Waste directed to disposal (t)

NON-HAZARDOUS WASTE	Onsite	Offsite
Disposal operation		
Energy Recovery		569.11
Landfill		3,107.12
Total		3,676.24

Table 6: Waste directed to disposal (t)

HAZAROUS WASTE	Onsite	Offsite
Disposal operation		
Disposed		355.67
Total		355.67