

Municipal waste in Montenegro 2018

The release comprises selected statistical data on the quantities of produced and collected municipal waste in 2018.

In 2018 Montenegro produced 330 839 tonnes of municipal waste or an increase of 2.1% compared to 2017. Considering the estimated number of inhabitants on mid of the 2018, in Montenegro in 2018 an average municipal waste produced per capita was 531.7 kg or 1.46 kg municipal waste per day.

In Montenegro out of the total quantities of produced municipal waste there were collected 303 107 tonnes. The public utility enterprises collected 291 431 tons of municipal waste which is 96.1%. The remaining quantities of municipal waste is: quantities collected by other enterprises with the permit for collecting and quantities of municipal waste brought by citizens directly to the landfill sites. In 2018 there were collected 487.1 kg of municipal waste per capita or 1.33 kg per day.

In 2018, public utility enterprises mostly collected other municipal waste (245 667 tonnes), and the least packaging waste (105 tonnes).

In comparison with 2017, in 2018 the number of days in which waste is collected increased by 4.

Table 1. Data on municipal waste

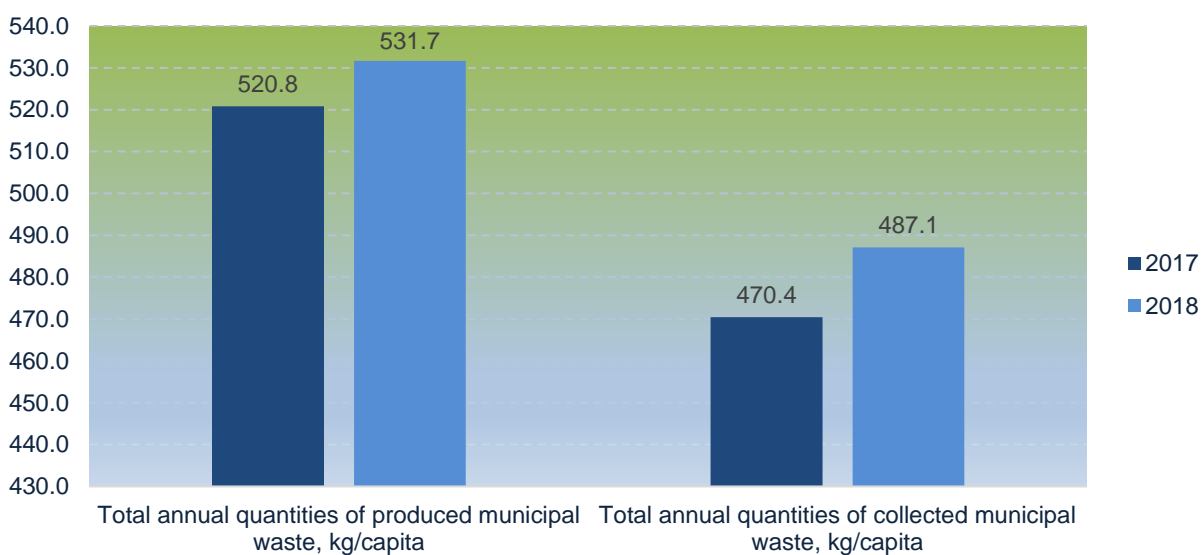
	2017	2018
Number of municipalities collecting the waste	23	23
The estimated population ¹	622 373	622 227
Average number of days in year of collecting the waste	337	341
Total annual quantities of produced municipal waste, t	324 155	330 839
Total annual quantities of produced municipal waste, kg/per capita	520.8	531.7
Total annual quantities of collected municipal waste, t	292 762	303 107
Total annual quantities of collected municipal waste by Public utility enterprises, t	282 282	291 431
Total annual quantities of collected municipal waste by enterprises and natural persons, t	10 480	11 676
Total annual quantities of collected municipal waste, kg/per capita	470.4	487.1

¹ Estimated number of inhabitants on mid of 2018

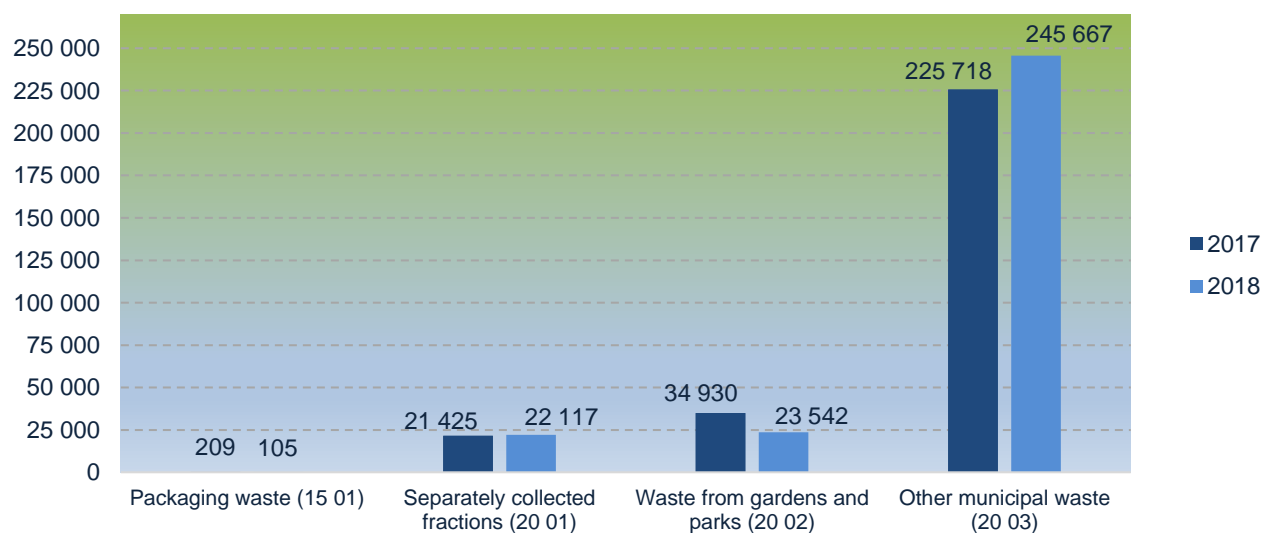
Table 2. Data on municipal waste collected by Public utility enterprises

	2017	2018	Index <u>2018</u> <u>2017</u>
Total annual quantities of collected waste by public utility enterprises, t	282 282	291 431	103.2
Packaging (15 01), t	209	105	50.2
Separately collected fractions (20 01), t	21 425	22 117	103.2
Waste from gardens and parks (20 02), t	34 930	23 542	67.4
Other municipal waste (20 03), t	225 718	245 667	108.8

Graph 1. Produced and collected municipal waste, 2017-2018



Graph 2. Types of collected municipal waste, 2017-2018



METHODOLOGICAL NOTES

The data in this release are obtained through three surveys: Survey on municipal waste (form OT KOM-03), Survey on quantities of waste imported to landfill (OT DEP – 04) and Survey on collection and processing of waste (OT R&D 06).

The surveys are carried out with the reporting method on an annual basis. The reporting units are public utility enterprises, with the permit issued by Secretariat for Local Government for performing public service of municipal waste collection and transportation, and with the activity on entire territory of Montenegro; enterprises engaged in collecting and waste treatment; as well as enterprises that manage landfill.

The total municipal waste collected includes the quantities of municipal waste which is collected by public utility enterprises; the other enterprises from the origin producers of waste (enterprises which have a permit for collection and treatment of waste from Nature and Environment Protection Agency); and all natural persons that alone brought waste directly to the landfill.

The total quantities of produced municipal waste includes the quantities of total collected municipal waste, and quantities of waste from citizens that are not included in the public utility waste disposal system, obtained by the estimation method, based on the data on the total quantities of collected municipal waste and the estimated number of inhabitants for the reference year.

Municipal waste comprises group 20 - municipal waste (household waste and similar commercial, industrial waste, including separately collected fractions), and subgroup 15 01 - packaging (including separately collected packaging within municipal waste).

Waste is any substance or object which the holder discards or intends to or is required to discard according to Law on waste management ("Official Gazette of Montenegro" No 64/11 from 29.12.2011, 039/16 from 29.06.2016).

Municipal waste is waste from households or when performing activities whose properties are similar to waste from households.

Mixed municipal waste is the waste from the household left after separation of some municipal waste fractions for which the possibility of selective collection is envisaged including communal waste packaging.

Waste packaging is packaging or packaging materials that are waste, except for residual material generated during the manufacture of packaging.

Waste collection is the collection of waste from the holder, including pre-sorting and temporary storage of waste for transport to a treatment plant.

Separate waste collection (selection) is the collection of waste in a manner that the waste in waste management procedures is held separately by type and feature in order to facilitate special treatment.

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