

## Municipal waste in Montenegro 2017

*The release comprises selected statistical data on the amounts of generated and collected municipal waste in 2017.*

*In 2017 Montenegro generated 324 155 tons of municipal waste or 0.6% more than in 2016. According to estimated number of inhabitants in Montenegro middle of the year 2017, each inhabitant generated 520.8 kg of municipal waste per year in average or 1.4 kg municipal waste per day.*

*In Montenegro from total amount of generated municipal waste 292 762 tons of municipal waste were collected, including the subgroup 15 01 – packaging (including separately collected packaging waste in municipal waste). The public utility enterprises collected 282 282 tons of municipal waste (96.4% from total amount collected municipal waste). Remaining amount of municipal waste were collected by other enterprises that have the permit for collecting of municipal waste and citizens that brought municipal waste directly to the landfill sites. In 2017 in average for each inhabitants of Montenegro were collected 470.4 kg of municipal waste or 1.3 kg of municipal waste per day.*

*In 2017, public utility enterprises mostly collected other municipal waste, which includes mixed municipal waste 80.0%, followed by waste from gardens and parks of 12.3%, followed by separately collected fractions of 7.6% and packaging waste with 0.1% of collected waste.*

*The total number of permanent employees in the utilities which have permission to perform the public service of collection and disposal of municipal waste from the Secretariat for Local Government in 2017 amounted to 2 649 employees (as of 31.12.2017.).*

*In comparison with 2016, in 2017 the number of days in which waste was collected increased for eleven days.*

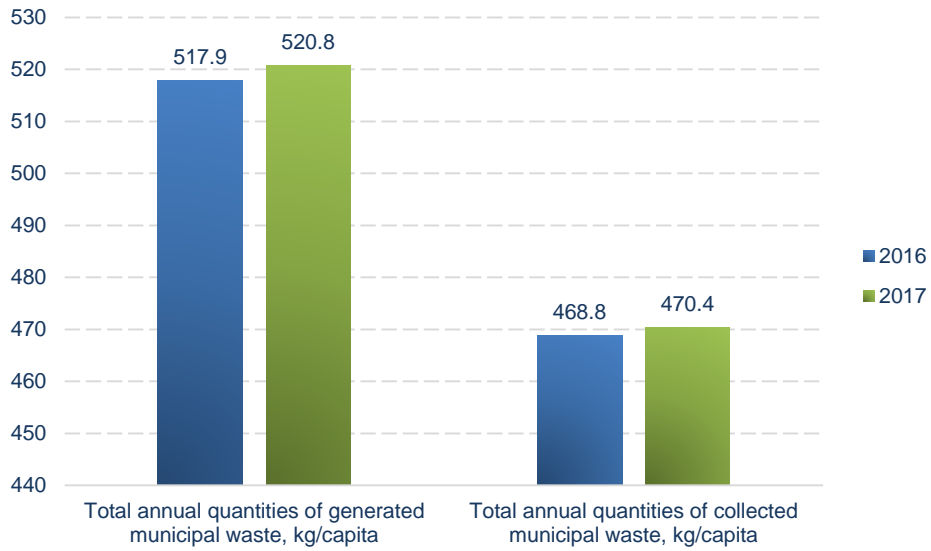
**Table 1. Data on municipal waste, equipment, and machinery**

	2016	2017
Number of municipalities collecting the waste	23	23
The estimated population <sup>1</sup>	622 303	622 373
Average number of days in year of collecting the waste	326	337
Total annual quantities of generated waste, t	322 260	324 155
Total annual quantities of generated waste, kg/per capita	517.9	520.8
Total annual quantities of collected municipal waste, t	291 756	292 762
Total annual quantities of collected municipal waste by Public utility enterprises, t	280 988	282 282
Total annual quantities of collected municipal waste by enterprises and natural persons, t	10 768	10 480
Total annual quantities of collected municipal waste, kg/per capita	468.8	470.4

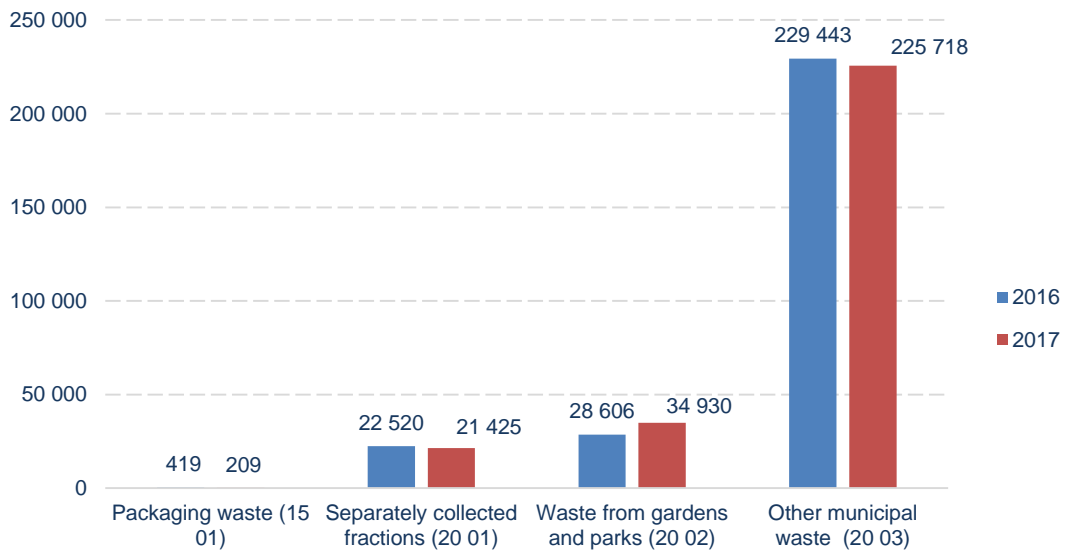
**Table 2. Data on municipal waste collected by Public utility enterprises**

	2016	2017	Index 2016/2015
Total annual quantities of collected waste by Public utility enterprises, t	280 988	282 282	100.5
Packaging (15 01), t	419	209	49.9
Separately collected fractions (20 01), t	22 520	21 425	95.1
Waste from gardens and parks (20 02), t	28 606	34 930	122.1
Other municipal waste (20 03), t	229 443	225 718	98.4

**Graph 1. Generated and collected municipal waste, 2016-2017**



**Graph 2. Types of collected municipal waste, 2016-2017**



## METHODOLOGICAL NOTES

The statistical survey on municipal waste (form OT KOM-03) is submitted by using the reporting method at the annual level, with the data on municipal waste, mainly provided on the estimation basis. The aim of the statistical survey on municipal waste produce reliable data on the public collection and separation of waste by municipalities, the source of collected waste and the treatment of waste collected.

The reporting units are public utility enterprises, i.e. enterprises with the main activity of cleaning and maintaining public areas in town to which the Secretariat for Local Government issued a permit for performance public service of communal waste collection and transportation, and they perform this activity on the whole territory of Montenegro.

The total waste collected included the quantity of municipal waste, which is collected: utility companies, other companies which collected waste from the original waste producer (companies that have a license from the Agency for Nature Protection and the Environment to deal with the collection and treatment of waste) and all natural persons alone brought directly to the landfill.

Municipal waste consists: group 20 - municipal wastes (household waste and similar commercial, industrial waste, including separately collected fractions) and subgroup 15 01 - packaging (including separately collected packaging in municipal waste).

**Waste** is any substance or subject that the holder discarded or intends to discard it in compliance with the Law (Law on Waste Management, Official Gazette of Montenegro 064/11 as of 29 November 2011, 039/16 as of 29 June 2016).

**Municipal waste** is the waste that appeared in households or during operations which are similar by their characteristics to the waste appeared in 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 material which are waste, in addition to debris that arise when creating packaging.

**Waste collection** is the waste collecting from the holder including previous classification and temporary waste storage for the needs of transportation to the waste processing facilities.

**Separate collection of waste** (selection) is the collection of waste in a way that waste in the practices of waste management held separately by type and capacity to facilitate special treatment.

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