

RELEASE 151/2025

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Generated and treated waste

2024

During 2024, generated waste in Montenegro was 1 382 551.8 t, out of which 647 975.7 t (46.9%) was in sectors of manufacturing, mining and quarrying, and other industries. Out of the total waste generated during 2024, there are 295 379.7 t of hazardous waste (21.4%).

Compared to 2023, there was an increase of 5.2% in the total waste generated. Agriculture, forestry, and fishery sector indicates an increase of 13.3%; manufacturing, mining and quarrying, and other industries show a decrease of 10.4%; while the construction sector records an increase of 57.5%; service activities sector – an increase of 9.4%; and households an increase of 3.8%.

Municipal waste generated in 2024 was 375 459.7 t or 4.3% more when compared to 2023. Public utility enterprises collected 341 312.8 t of waste, which makes 95.94% of total collected quantities. Generated municipal waste per capita amounted 602.2kg, which is for 4.3% more than in 2023.

Total treated waste including export in 2024 was 1 228 865.0 t, which is 5.0% less than in 2023. Out of total treated waste, there are 964 292.3 t landfilled/disposed waste (78.5%). Recycled waste quantity records a decrease of 7.1%, compared to 2023.

Total treated municipal waste including export was 375 252.3 t in 2024, which is 7.2% more than in 2023. Out of total treated waste, there are 343 742.5 t of landfilled/disposed waste (91.6%).

Table 1. Generated and treated waste, in tonnes

	2023	2024
Agriculture, forestry and fishery (A)	11 483.0	13 013.8
Manufacturing, mining and quarrying and other industries (B, C, D and E)	722 966.8	647 975.7
Construction (F)	212 719.5	335 130.2
Service activities (G - U)	94 464.6	103 374.3
Households	272 658.5	283 057.8
Generated - total	1 314 292.4	1 382 551.8
of which municipal waste	360 136.8	375 459.7
Waste treatment including export - total	1 293 286.9	1 228 865.0
of which treatment of municipal waste including export, total	350 094.9	375 252.3
Index treatment/generated waste	98.4	88.9

Table 2. Hazardous and non-hazardous waste generated, in tonnes

	2023		2024	
	Hazardous	Non hazardous	Hazardous	Non hazardous
Agriculture, forestry and fishery (A)	6.5	11 476.5	5.0	13 008.8
Manufacturing, mining and quarrying and other industries (B, C, D and E)	309 011.6	413 955.2	292 077.9	355 897.8
Construction (F)	145.0	212 574.5	235.3	334 894.9
Service activities (G - U)	2 872.1	91 592.5	3 061.2	100 313.1
Households	0.8	272 657.7	0.3	283 057.5
Generated - total	312 036.0	1 002 256.4	295 379.7	1 087 172.1

Table 3. Municipal waste collection and generation, in tonnes

	2023	2024
Municipal waste collected by Public utility enterprises	330 844.2	341 312.8
Municipal waste collected by waste collectors, waste brought to landfill sites by natural persons and directly exported from original producers	11 386.7	16 418.1
Total amounts of collected municipal waste	342 230.9	357 730.9
Amounts of waste from citizens that are not included in the system of public collection of municipal waste	17 905.9	17 728.8
Total	360 136.8	375 459.7

Table 4. Municipal waste per capita

	2023	2024
Estimated number of population by middle of year	623 633 ¹	623 525
Number of days during the year	365	366
Total amounts of collected municipal waste, t	342 230.9	357 730.9
Total collected municipal waste per capita per year, kg	548.8	573.7
Total collected municipal waste per capita per day, kg	1.5	1.6
Total generated amounts of municipal waste, t	360 136.8	375 459.7
Total generated municipal waste per capita per year, kg	577.5	602.2
Total generated municipal waste per capita per day, kg	1.6	1.6
Percentage of population coverage by municipal waste collection services	88.1	88.4

Table 5. Treated amounts of waste by treatment procedures, in tonnes

	2023	2024
Waste recovery (R1-R11)	186 396.9	173 267.7
of which waste recycling (R2-R11)	185 719.8	172 495.3
Waste disposal (D1-D7, D10-D12)	1 028 506.1	990 855.3
of which incineration (D10)	0.4	0.3
of which landfilling (D1)	699 872.1	964 292.3
Waste export	78 383.9	64 742.0
(R) + (D), total	1 214 903.1	1 164 123.0
(R) + (D) + export, total	1 293 286.9	1 228 865.0

Table 6. Treatment of municipal waste, in tonnes

	2023	2024
Municipal waste recovery (R1-R11)	1 097.4	1 023.7
of which waste recycling (R2-R11)	1 088.9	1 016.7
Municipal waste disposal (D1-D7, D10-D12)	337 246.0	362 311.4
of which landfilling (D1)	318 772.6	343 742.5
Municipal waste export	11 751.5	11 917.2
(R) + (D) - total	338 343.4	363 335.1
(R) + (D) + export - total	350 094.9	375 252.3

¹ Data from the 2023 Census of Population, Households and Dwellings

METHODOLOGICAL NOTES

Data on waste are collected through these surveys: Municipal Waste; Waste Collection and Processing; and Generated Waste. Reporting method is used for data collection in Survey on Municipal Waste and Survey on Waste Collection and Processing, while the data on generated waste are collected by interview method.

The reporting units for Survey on Municipal Waste are public utility enterprises, with the permit issued by the Local Government Secretariat for performing public service of municipal waste collection and transport. Reporting units in the Survey on Waste Collection and Processing are all enterprises with the permit for waste collection, treatment, and export/import issued by Nature and Environmental Protection Agency, as well as enterprises that manage landfill sites.

The Survey on Generated Waste covers all business entities with 10 and more employees with the main activity defined in sectors: B - Mining and quarrying, C - Manufacturing, D - Electricity, gas, steam and air conditioning supply, E - Water supply; sewerage, waste management and remediation activities, A - Agriculture, forestry and fishing, F - Construction, G - Wholesale and retail trade; Repair of motor vehicles and motorcycles - group 45.2 Maintenance and repair of motor vehicles, M - Professional, scientific and technical activities - division 75 Veterinary activities, Q - Human health and social work activities - classes: 86.10 Hospital activities, 86.21 General medical practice activities, 86.23 Dental practice activities and 86.90 Other human health activities, in line with the Activity Classification 2010.

Data on waste generation were processed using statistical methods in order to obtain greater coverage and international data comparability. Data on generated amounts of waste in Service activities are obtained by compiling data from different surveys: data on waste generated in service activities (G - Wholesale and retail trade; repair of motor vehicles and motorcycles - group 45.2 Maintenance and repair of motor vehicles, M - Professional, scientific and technical activities - division 75 Veterinary activities, Q - Human health and social work activities - classes: 86.10 Hospital activities, 86.21 General medical practice activities, 86.23 Dental practice activities and 86.90 Other human health activities), data on amounts of waste collected by

original waste producers from Survey on waste collection and processing and data on collected waste in manufacturing and service activities from Survey on Municipal Waste.

Waste is any substance or object which the holder has discarded or intends to discard or is obliged to discard in accordance with the law.

Non-hazardous waste is waste whose composition and properties do not have any of the characteristics of hazardous waste.

Hazardous waste is waste containing elements or compounds having one or more of the following hazardous properties: explosive, oxidising, reactivity, flammable, irritant – causing skin irritation and eye damage, target organ toxicity (STOT)/aspiration toxicity, acute toxicity, carcinogenic, corrosive, infectious, toxic for reproduction, mutagenic, releasing an acutely toxic gas, sensitising, ecotoxic, and possessing the potential to exhibit any of the aforementioned hazardous properties even if the original waste did not directly display them.

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

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

Original waste producer is any person whose activities produce waste.

When using the data, state:

"Data source: Statistical Office - MONSTAT"