A better quality of life for all in an urbanizing world
UN-Habitat’s Work on SDG 11.6.1

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# Waste SDG Indicators

## Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable

**Targets**

| 11.6 | By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management. |

**Indicator**

Proportion of municipal solid waste collected and managed in controlled facilities with regards to the total waste generated by the city.

## Goal 12: Ensure sustainable consumption and production patterns

**Targets**

| 12.3 | By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses. |

| 12.4 | By 2030, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment. |

| 12.5 | By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse. |

**Indicator**

- Food loss Index
- Food Waste Index
- Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment
- National recycling rate, tons of material recycled

## Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development

**Targets**

| 14.1 | Index of coastal eutrophication and floating plastic debris density |

**Indicator**

Tier 3, awaiting the development of internationally established methodology and standards
Waste Wise Cities Tool (WaCT)

- Monitoring methodology of SDG indicator 11.6.1 "Proportion of Municipal Solid Waste Collected and Managed in Controlled Facilities, out of Total Municipal Solid Waste Generated, by City"
  - Assess MSW generated, collected and treated in controlled facilities
  - Identify the MSW recovery chain and its actors while engaging them in an inclusive and participatory way
  - Check the environmental control level of waste management facilities
  - Establish better waste and resource management strategies that create business and livelihood opportunities
  - Provide data for large WM infrastructure investment cases to municipal corporation, waste stakeholders and investors
  - Project development and funds mobilization
What WaCT Measures

% of MSW collected & managed in controlled facilities out of total MSW generated by the city
Capacity Development Tools

SDG indicator 11.6.1 monitoring methodology

>50 cities
>70 trainings
>2k people trained

Online course - Data to Tangible Impacts: Achieving Waste SDGs by 2030
WaCT Factsheet

Waste Wise Cities Tool in Mombasa County, Kenya

Key Waste Data

- Total municipal solid waste (MSW) generated by the city: 708 tpd
- Per capita MSW generation: 0.59 kg/cap/day
- Per capita household final waste generation: 0.22 kg/cap/day
- Total MSW collected: 399 tpd (56%)
- Total MSW collected and managed through facilities: 36 tpd (5%)
- City Recovery Rate: 5%

Composition of waste at the households and at the disposal site

Average household waste composition

- 46% organic waste
- 36% paper and cardboard
- 13% plastic
- 2% metal
- 1% glass

Potential recyclables from households

- Paper and cardboard: 22%
- Glass: 7%
- Metal: 7%
- Plastic: 5%
- Other: 10%

WaCT Flow Chart

- Total MSW generated: 708 tpd
- Recycled: 37 tpd
- Recovered: 56 tpd
- Landfill: 605 tpd
- Total MSW: 708 tpd

For more information or to get involved in WaCT activities, contact the Waste Wise Cities Team at WasteWiseDesign.org
WaCT Data Portal

https://unh.rwm.global/
SDG 11.6.1 Global Estimate

The world generated 2.3 billion tonnes of MSW of which 16% is uncollected and 39% is managed in uncontrolled facilities - UNEP/UNSD data input for modelling
Collaborative Action Areas

1. Terminology alignment between UNSD/UNEP questionnaire for UNSD/UNEP to be the data reporting outlet for monitoring SDG 11.6.1
2. Release adjusted version of UNSD/UNEP Env Statistics for waste version
Thank you
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