

FACTSHEET

Waste Wise Cities Tool in Mombasa County, Kenya



"Municipal solid waste management is one of the biggest challenges for Mombasa, especially as it is a major tourist hub and the largest port in East Africa. Uncollected and mismanaged waste are also contributing to marine litter pollution in the Indian Ocean.

The assessment through UN-Habitat's Waste Wise Cities Tool, supported by the African Clean Cities Platform and UNEP, was extremely useful for Mombasa County Government to have a clear picture of the current status and identify the key intervention areas. The tool application is also providing the scientific data that we are using to develop bankable project proposals, and mobilize funds and private sector investment.

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Minister of Environment, waste management and energy, Mombasa County



City **Mombasa County**
Country **Kenya**



Population **1,208,333 (2019)**



Year of WaCT survey **2020**

Key Waste Data

Total municipal solid waste (MSW) generated by the city

736 t/d

Total MSW collected

399 t/d

54%

Total MSW collected and managed in controlled facilities

36 t/d

5%

Per capita MSW generation

0.61 kg/cap/d

Per capita household food waste generation

0.23 kg/cap/d

City recovery rate

5%

Household and non-household waste generation



	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
Higher income	0.47	423,343	199
Middle income	0.60	249,651	149
Lower income	0.31	535,339	168
TOTAL	0.43	1,208,333	515

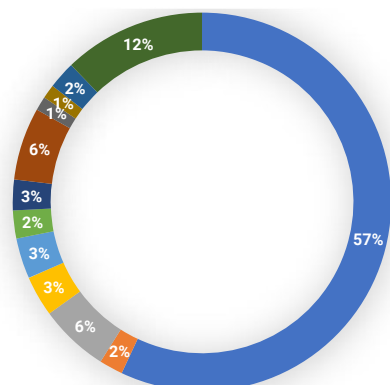


Total MSW generated from non-household sources (t/day)
calculated using proxy of 30% of total MSW

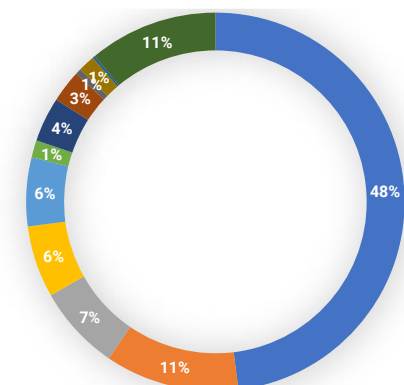
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Composition of waste at the households and at the disposal site

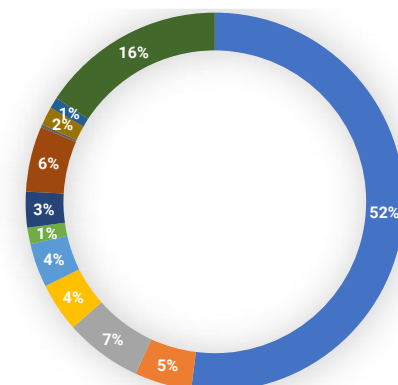
Household waste composition
higher income areas



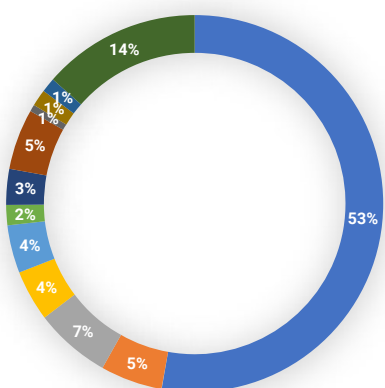
Household waste composition
middle income areas



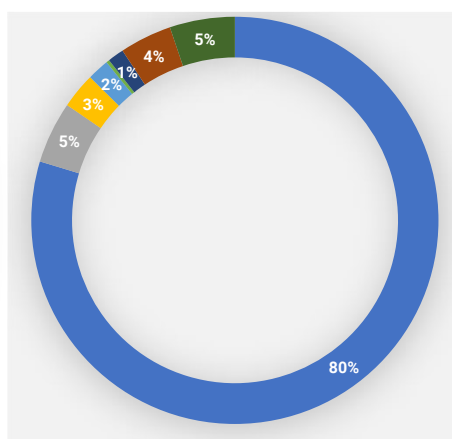
Household waste composition
lower income areas



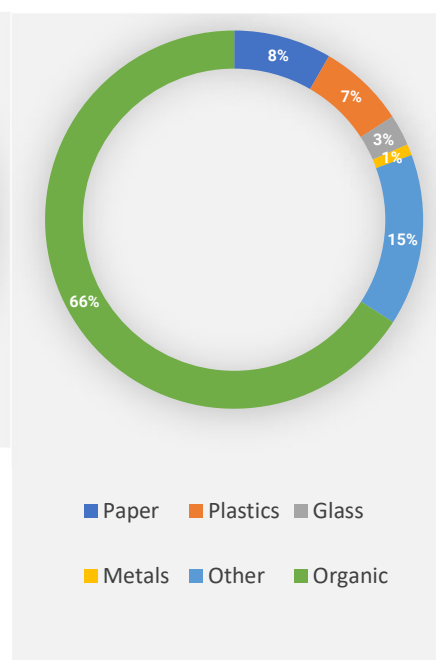
Average household waste
composition



Waste composition at disposal site



Overall MSW composition
Using WaCT -> WFD calculation



- Kitchen/canteen
- Plastic film
- Glass
- Special wastes

- Garden/park
- Plastics dense
- Textiles/shoes
- Composite products

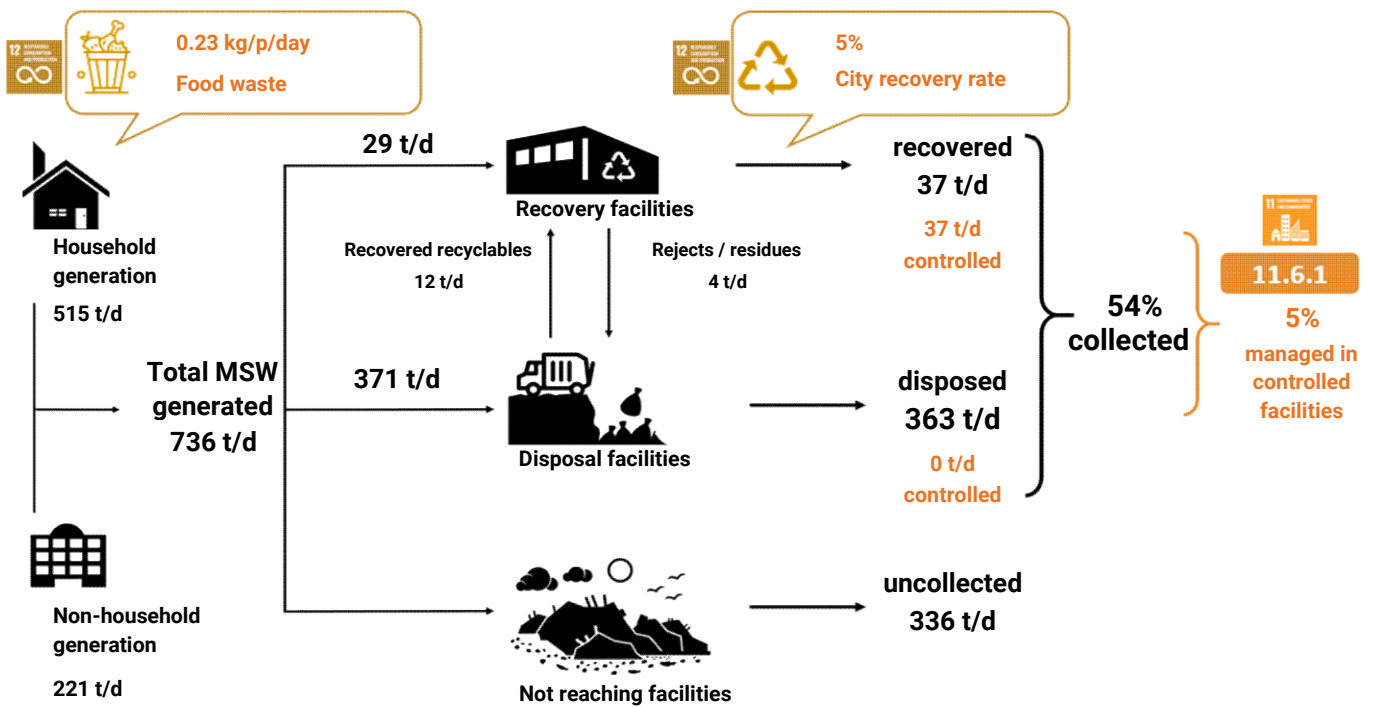
- Paper/cardboard
- Metals
- Wood (processed)
- Other

- Paper
- Plastics
- Glass
- Metals
- Other
- Organic

Potential recyclables from households

Types	Recyclable waste generation from households (t/day)
Food waste	272
Plastics dense	21
Plastic film	23
Paper and cardboard	34
Glass	16
Metal	9
Total	375

WaCT Flow Chart



For more info and if interested in WaCT application contact the Waste Wise Cities Team at

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