

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.

**Dr Godffery Nyongesa Nato**

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

**708 t/d**

Total MSW collected

**399 t/d**

**56%**

Total MSW collected and managed in controlled facilities

**36 t/d**

**5%**

Per capita MSW generation

**0.59 kg/cp/d**

Per capita household food waste generation

**0.22 kg/cap/d**

City Recovery Rate

**5%**

## Household and non-household waste generation



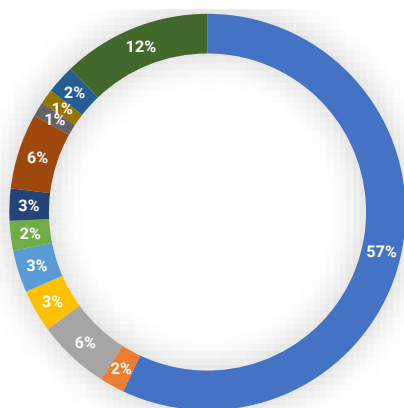
	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.44	423,343	188
Middle income	0.58	249,651	146
Low income	0.30	535,339	162
<b>TOTAL</b>	<b>0.41</b>	<b>1,208,333</b>	<b>496</b>



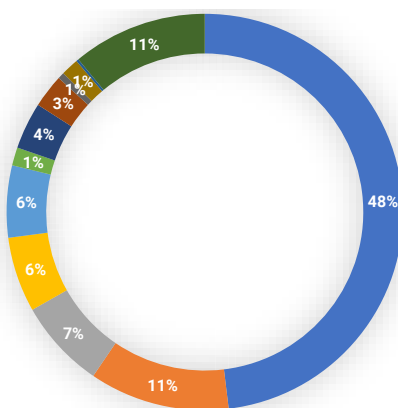
Total MSW generated from non-household sources (t/day): **212**  
 calculated using proxy of 30 % of total MSW

## Composition of waste at the households and at the disposal site

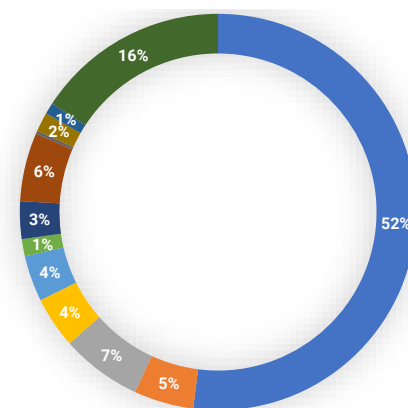
Household waste composition  
higher income areas



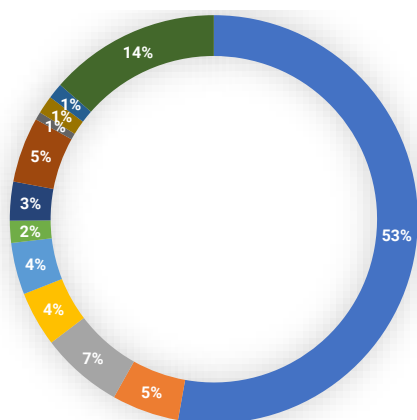
Household waste composition  
middle income areas



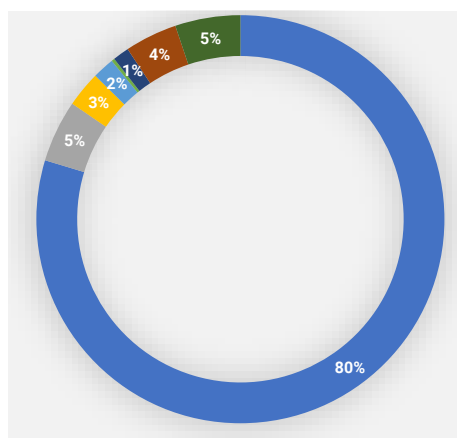
Household waste composition  
lower income areas



Average household waste  
composition



Waste composition at disposal site



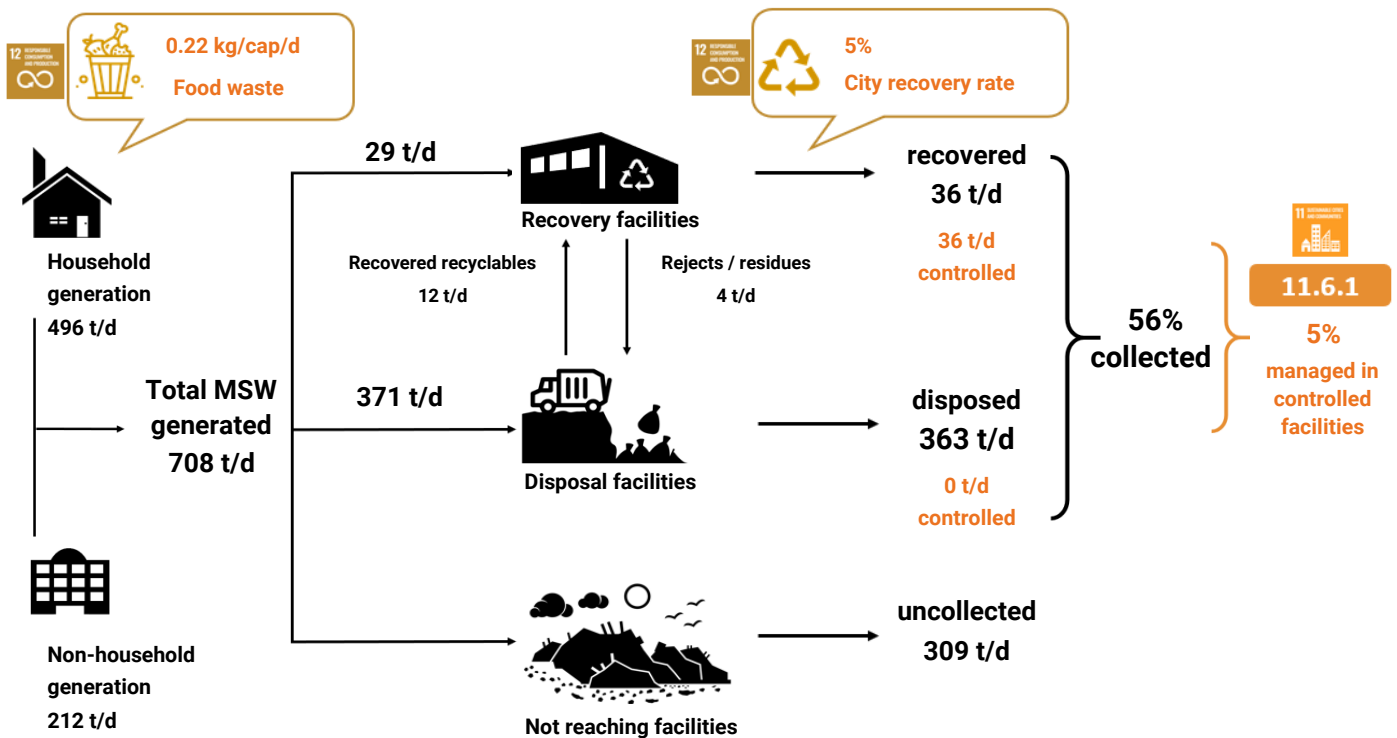
- Kitchen / canteen
- Garden / park
- Paper / cardboard
- Plastic film
- Plastics dense
- Metals
- Glass
- Textiles / shoes
- Wood (processed)
- Special wastes
- Composite products
- Other

## Potential recyclables from households



Types	Recyclable waste generation from households (t/day)
Food waste	262
Plastic film	22
Plastic dense	20
Paper and cardboard	32
Glass	15
Metal	9
<b>Total</b>	<b>386</b>

## WaCT Flow Chart



For more info and if interested in WaCT application contact the Waste Wise Cities Team at [WasteWiseCities@un.org](mailto:WasteWiseCities@un.org)