

FACTSHEET

# Waste Wise Cities Tool in Nairobi City County, KENYA



Waste management has been one of the pressing issues in Nairobi, the capital city of Kenya. UN-Habitat's survey with the Waste Wise Cities Tool, supported by the African Clean Cities Platform, was well received considering that the Nairobi City County Government had been relying on a study done with the Japan International Cooperation Agency back in 2010.

With the national census conducted in 2019, the UN-Habitat survey was timely to update the City's waste management database. The newly established Nairobi Metropolitan Services is now developing a Solid Waste Management Action Plan 2020-2022 based on these results.

**Patricia Akinyi K'Omudho**  
Environment Information Officer,  
Nairobi Metropolitan Services



City: **Nairobi City County**  
Country: **KENYA**



Population: **4,397,072 (2019)**



Year of WaCT Survey: **2019**

## Key Waste Data

Total municipal solid waste (MSW) generated by the city

**3085 t/d**

Total MSW collected

**2013 t/d**

**65%**

Total MSW collected and managed in controlled facilities

**452 t/d**

**15%**

Per capita MSW generation

**0.70 kg/cp/d**

Per capita household food waste generation

**0.25 kg/cap/d**

City Recovery Rate

**15%**



## Household and non-household waste generation



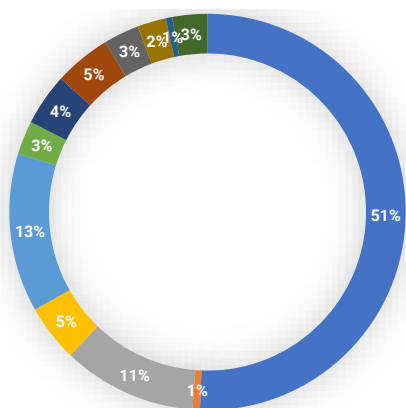
	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.43	574,697	245
Middle income	0.71	1,542,493	1,101
Low income	0.36	2,279,882	813
<b>TOTAL</b>	<b>0.49</b>	<b>4,397,072</b>	<b>2,160</b>



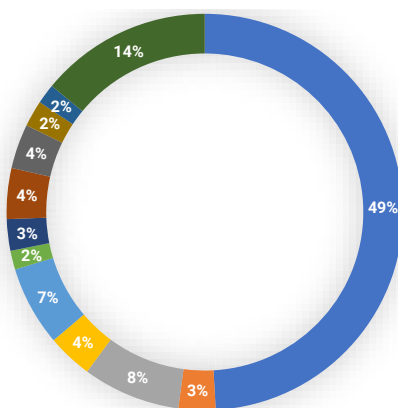
Total MSW generated from non-household sources (t/day): **926**  
 calculated using proxy of 30 % of total MSW

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

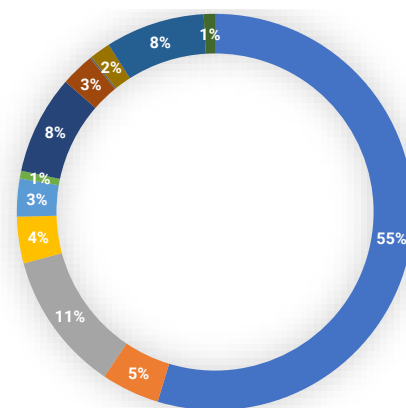
Household waste composition  
higher income areas



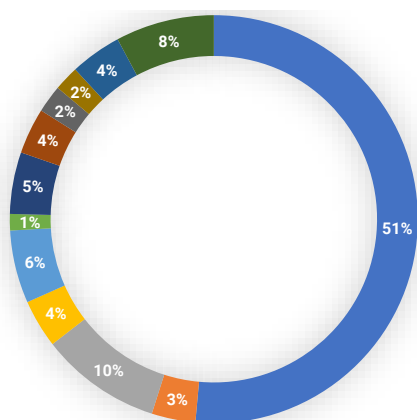
Household waste composition  
middle income areas



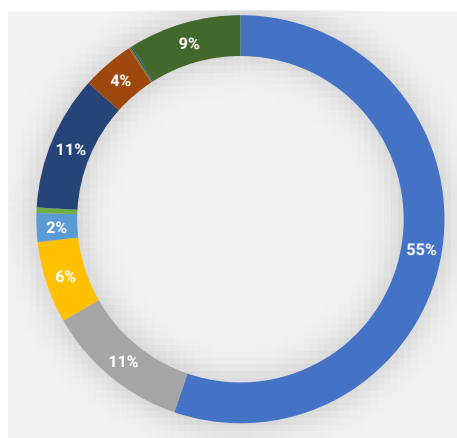
Household waste composition  
lower income areas



Average household waste  
composition



Waste composition at disposal site



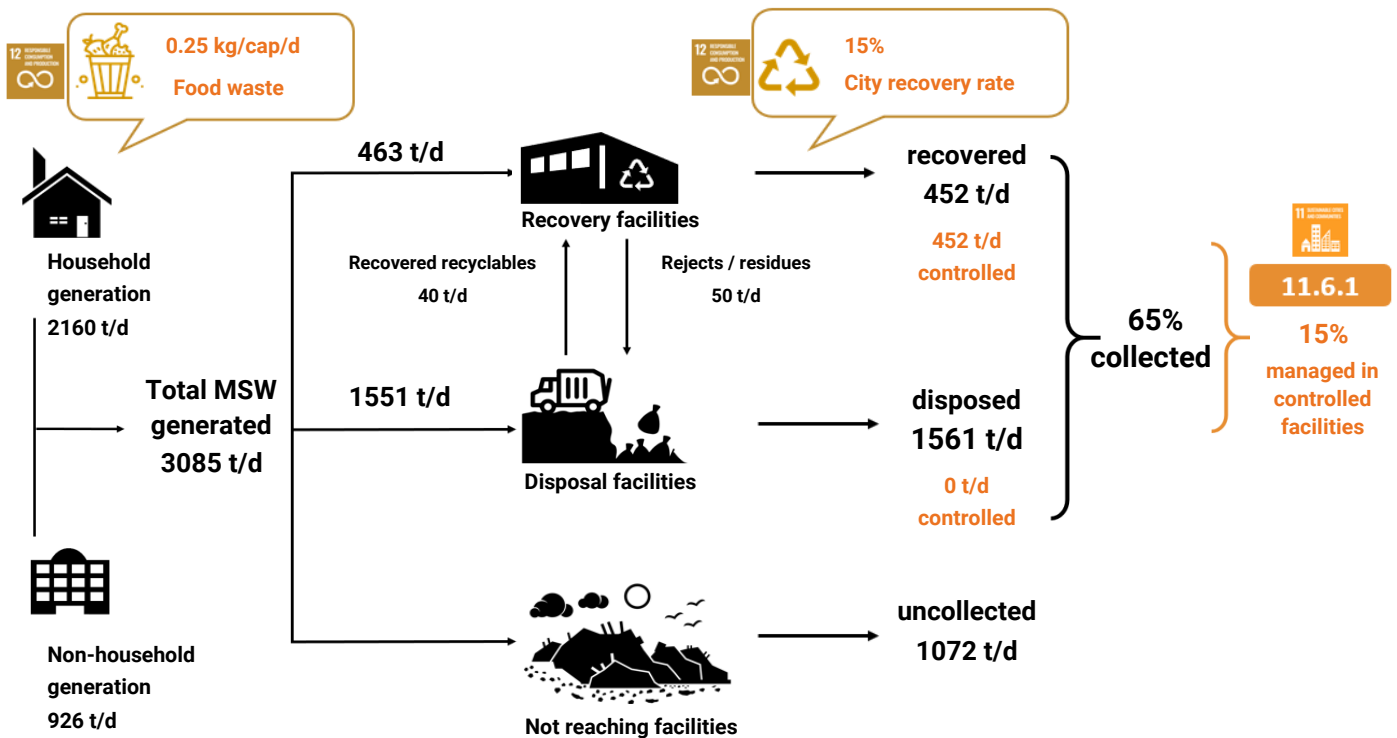
- Kitchen / canteen
- Garden / park
- Paper / cardboard
- Plastic film
- Plastics dense
- Metals
- Glass
- Textiles / shoes
- Wood (processed)
- Special wastes
- Composite products
- Other

## Potential recyclables from households



Types	Recyclable waste generation from households (t/day)
Food waste	1111
Plastic film	83
Plastic dense	125
Paper and cardboard	207
Glass	106
Metal	28
<b>Total</b>	<b>1,739</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)

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**WASTE WISE CITIES**

**Andre Dzikus,**  
Chief Urban Basic Services Section

[WasteWiseCities@un.org](mailto:WasteWiseCities@un.org)  
[#WasteWiseCities](https://twitter.com/WasteWiseCities)

P.O. Box 30030, Nairobi 00100, Kenya  
T: +254-20-76263120  
E: [unhabitat-info@un.org](mailto:unhabitat-info@un.org)

