

FACTSHEET

# Waste Wise Cities Tool in Addis Ababa, Ethiopia



Waste wise Cities Tool (WaCT) has proven its significance by rapidly assessing municipal solid waste management status and providing reliable information for the city.

The waste data results obtained with the help of WaCT application will have paramount importance for the preparation of Waste Management Master Plan and supporting the efforts of resource recovery in the city to tackle the multifaceted challenges of solid waste and plan for future demand. Relatedly, it will create a platform for attracting donors and potential partnerships for easier access to a solid waste infrastructure investment.

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City: **Addis Ababa**  
Country: **Ethiopia**



Population:  
**5,005,524 (2020)**



Year of WaCT Survey:  
**2021**

## Key Waste Data

Total  
municipal solid  
waste (MSW)  
generated by  
the city

**2178 t/d**

Total  
MSW collected

**2048 t/d**

**94%**

Total  
MSW collected  
and managed  
in controlled  
facilities

**99 t/d**

**5%**

Per capita  
MSW generation

**0.44 kg/cap/d**

Per capita  
household food  
waste generation

**0.17 kg/cap/d**

City  
Recovery  
Rate

**24%**

## Household and non-household waste generation



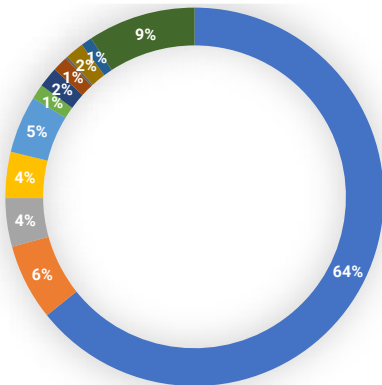
	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.60	480,530	289
Middle income	0.29	2,472,729	705
Low income	0.26	2,052,265	531
<b>TOTAL</b>	<b>0.30</b>	<b>5,005,524</b>	<b>1,525</b>



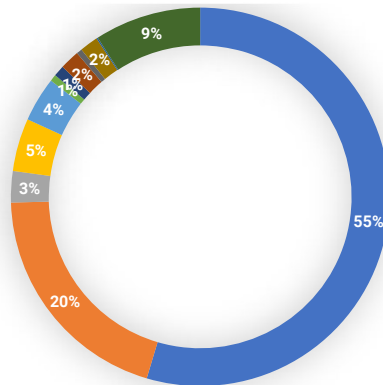
Total MSW generated from non-household sources (t/day): **653**  
 calculated using proxy of 30 % of total MSW

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

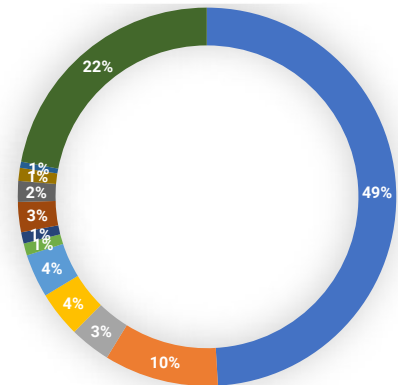
Household waste composition  
higher income areas



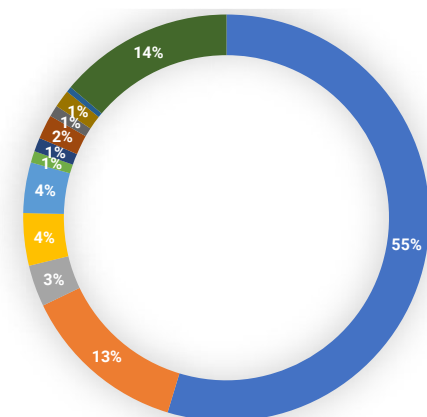
Household waste composition  
middle income areas



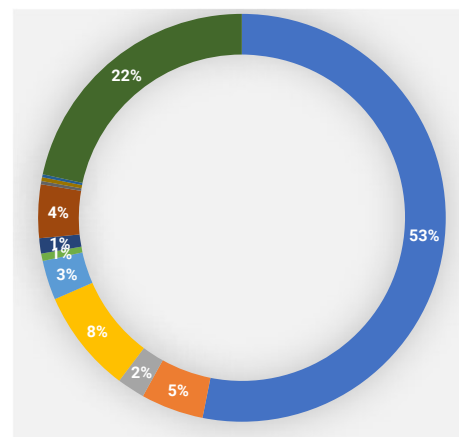
Household waste composition  
lower income areas



Average household waste  
composition



Waste composition at disposal site

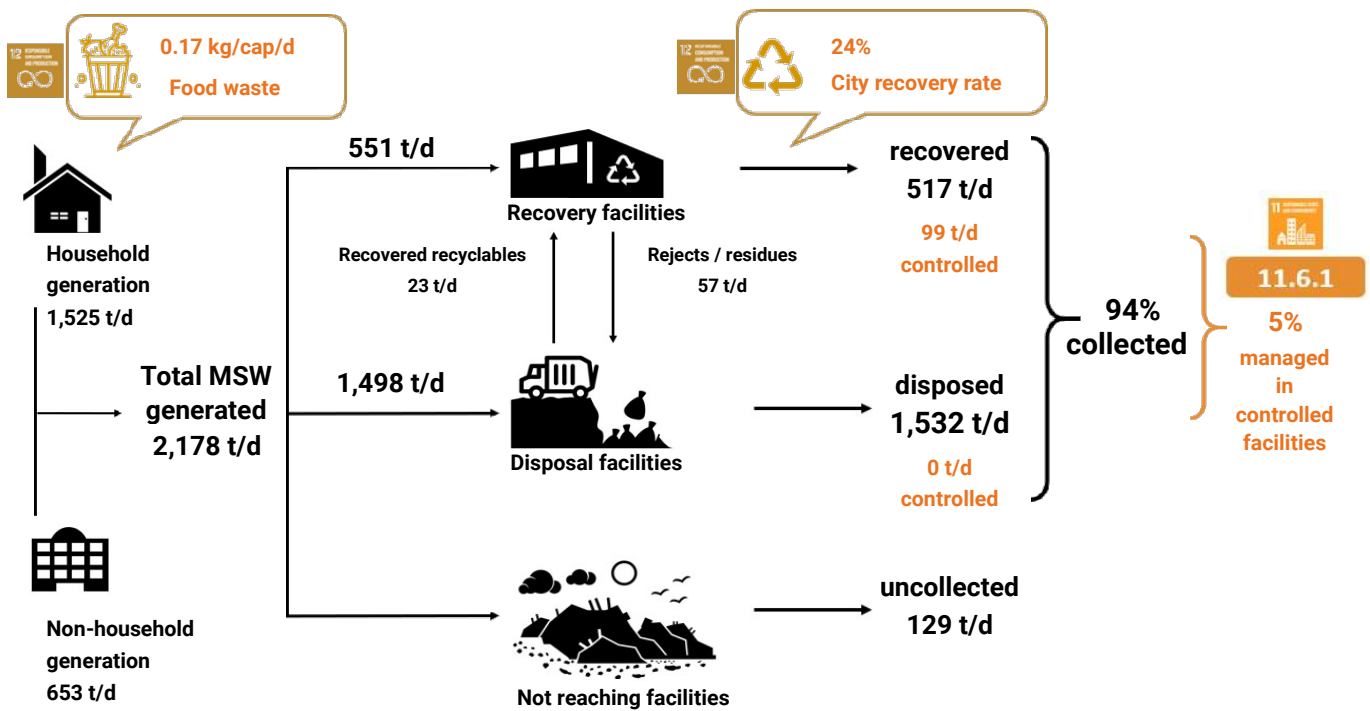


- Kitchen / canteen
- Garden / park
- Paper / cardboard
- Plastic film
- Plastics dense
- Metals
- Glass
- Textiles / shoes
- Wood (processed)
- Special wastes
- Composite products
- Other

## Potential recyclables from households

Types	Recyclable waste generation from households (t/day)
Food waste	833
Plastic film	64
Plastic dense	61
Paper and cardboard	50
Glass	17
Metal	14
<b>Total</b>	<b>1,039</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**

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