

FACTSHEET

# Waste Wise Cities Tool in Sihanoukville, Cambodia



Sihanoukville has grown rapidly along with the developments of Sea Ports, Special Economic Zone, Tourism, International Airport and Coal Power Plants while the city has also faced environmental issues such as improper municipal solid waste management.

The availability of collected data by using Waste Wise City Tool is something that the municipality and other stakeholders want in order to enhance the municipal solid waste management in the city. The survey methodology is very detailed taking into account from waste generation to disposal. All the stakeholders should use this result in order to inform decision and strategic planning.

**Mr. Eam Sarin**  
Deputy Governor of Sihanoukville Municipality



City: **Sihanoukville**  
Country: **Cambodia**



Population:  
**209,970**



Year of WaCT Survey:  
**2021**

## Key Waste Data

Total municipal solid waste (MSW) generated by the city

**366 t/d**

Total MSW collected

**328 t/d**

**90%**

Total MSW collected and managed in controlled facilities

**0 t/d**

**0%**

Per capita MSW generation

**1.75 kg/cp/d**

Per capita household food waste generation

**0.32 kg/cap/d**

City Recovery Rate

**4%**

## Household and non-household waste generation



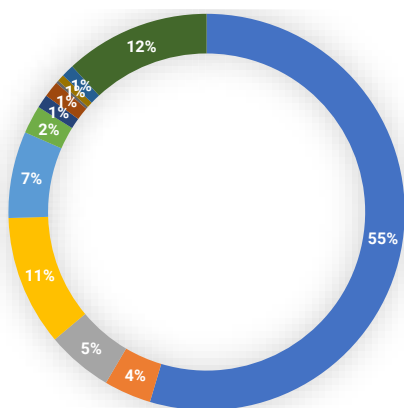
	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.69	16,137	11
Middle income	0.64	190,154	121
Low income	0.53	3,679	2
<b>TOTAL</b>	<b>0.64</b>	<b>209,970</b>	<b>134</b>



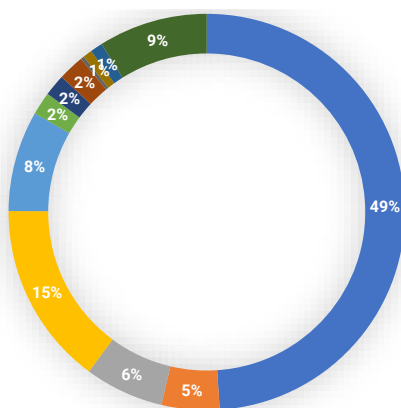
Total MSW generated from non-household sources (t/day) **232**  
 calculated using proxy of 30 % of total MSW

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

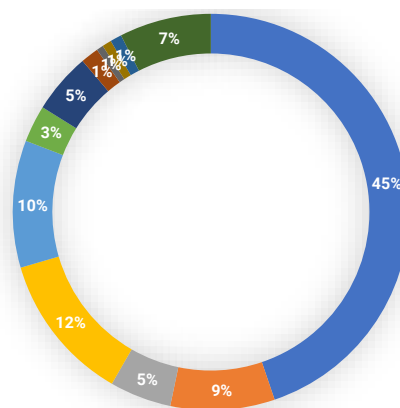
Household waste composition  
higher income areas



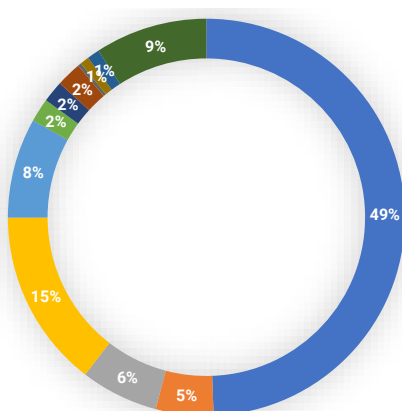
Household waste composition  
middle income areas



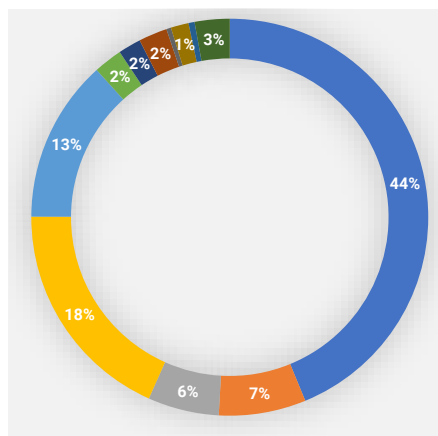
Household waste composition  
lower income areas



Average household waste  
composition



Waste composition at disposal site



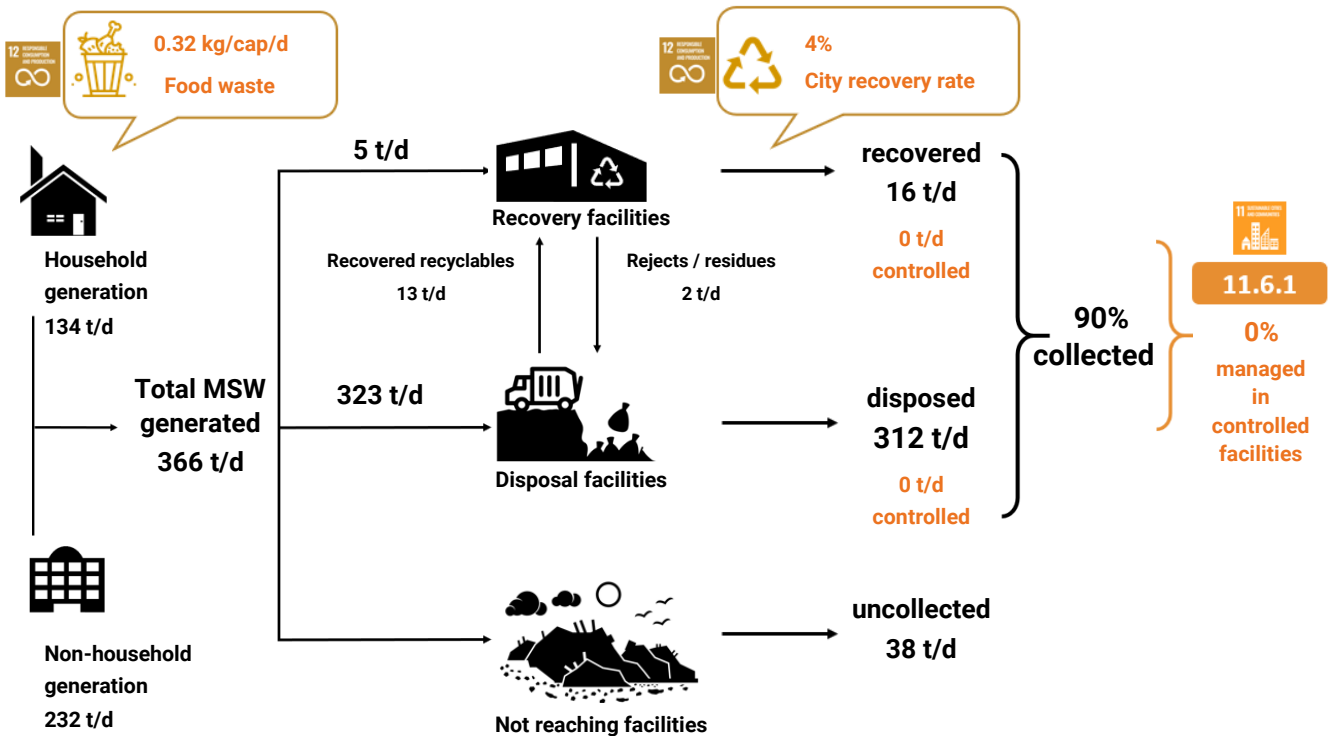
- Kitchen / canteen
- Garden / park
- Paper / cardboard
- Plastic film
- Plastics dense
- Metals
- Glass
- Textiles / shoes
- Wood (processed)
- Special wastes
- Composite products
- Other

## Potential recyclables from households



Types	Recyclable waste generation from households (t/day)
Food waste	66
Plastic film	20
Plastic dense	11
Paper and cardboard	9
Glass	2
Metal	3
<b>Total</b>	<b>114</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)