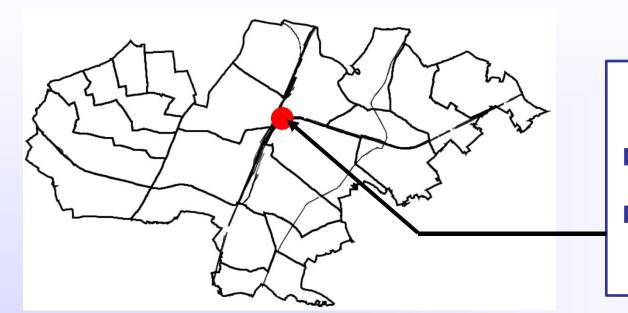
Streamlining Separation and Collection

Toshima City Environment and Public Sanitation Division

About Toshima City



Toshima Waste Collection Office

No. of incinerators: 2

Incineration capacity: 400 tons/day

 Population: 267,623
 (as of Jan. 1, 2012)
 No. of households: 146,626
 (as of Jan. 1, 2012) Population density: 20,571people/km² (as of Jan. 1, 2012)

Land area: 13.01 km²

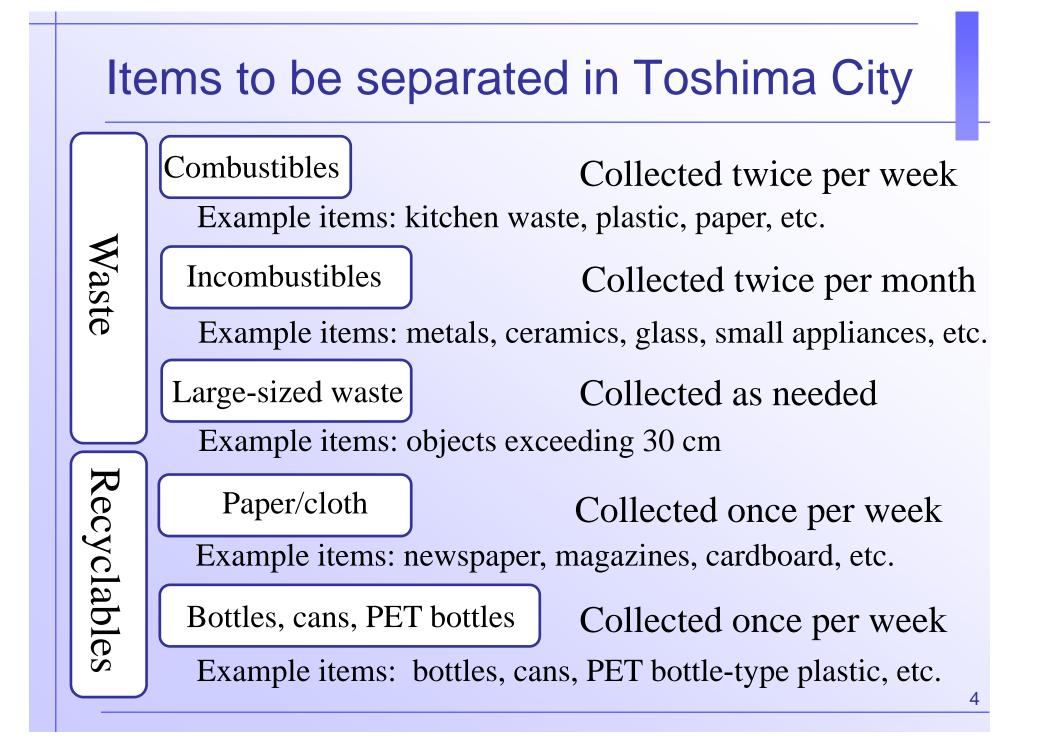
Characteristics of Toshima City

In a good location with the incineration plant centrally positioned.

Has a busy shopping and entertainment district.

Many narrow roads.

Many single-occupant households and apartment buildings.



Volume of city-collected waste and recyclables

FY 2010

	Separated items	Collected volume (tons)
Waste	Burnable waste	58,037
	Metal, ceramic, glass waste	3,069
	Large-sized waste	1,798
	Total	62,903
Recycl- ables	Paper, cloth	7,030
	Bottles, cans	3,596
	PET bottles	1,234
	Trays/ bottle-type containers	278
	Group collection	4,130
	From collection spots	160
	Total	16,428

Waste stations

- No. of waste stations: approx. 16,000 (Within this, approx. 6,000 stations are per household unit.)
- Waste station characteristics

Locations are primarily decided by residents, and shared/managed by multiple households.

Stations for waste and recyclables

As a general rule, recyclables are put out at the same station on different days in a week.

Waste station



Recyclables station (bottles, cans, PET bottles)



Collection vehicles



New large special-purpose truck Mainly for collection on major roads and large condominium complexes.



Small special-purpose truck Collection in narrow alleys, etc.



Normal freight truck for collecting recyclables Collection of recyclables



Small compression truck Used as the main force in collection



Small, lightweight freight truck Collection in the narrowest alleys and for picking up illegally dumped items.

No. of collection vehicles (per day)

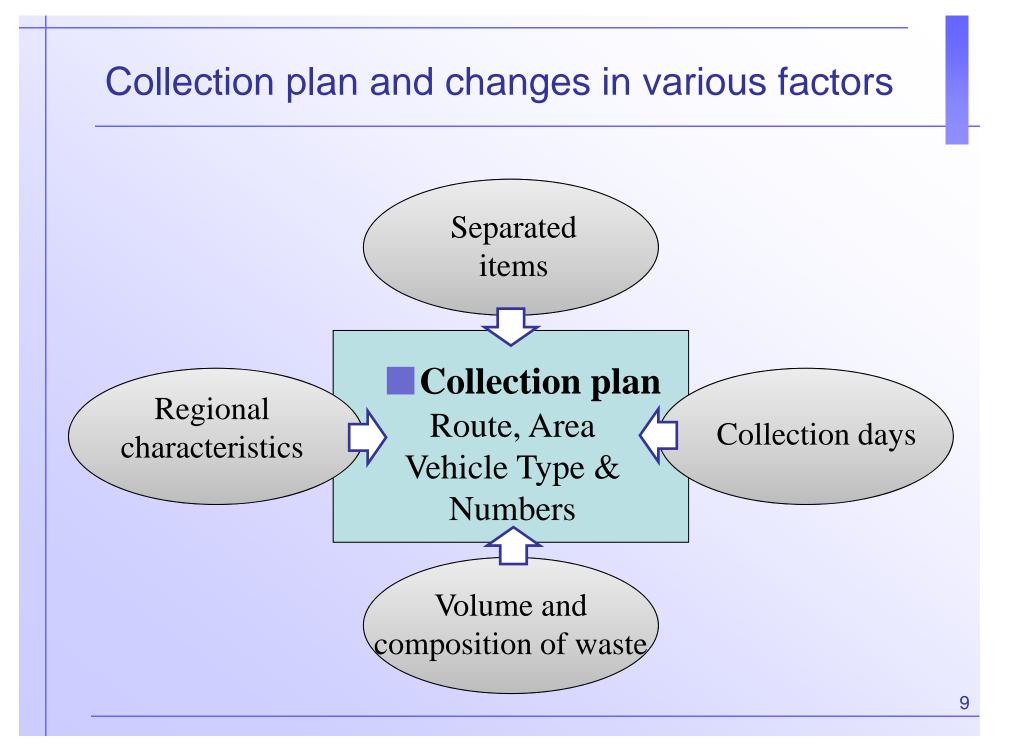


Waste

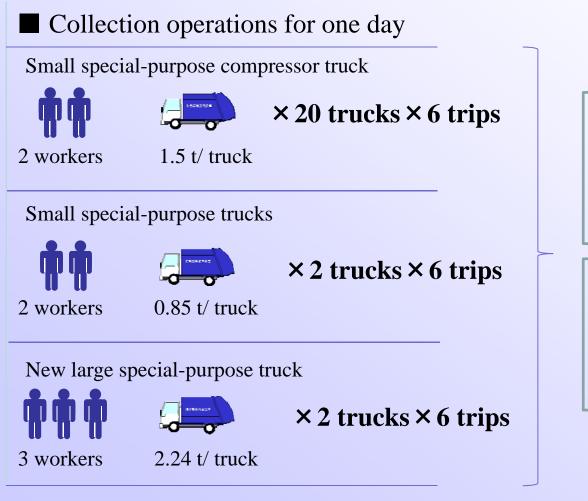
New large special-purpose trucks: 2
Small compressor trucks: 22
Small special-purpose trucks: 3
Small, lightweight freight trucks: 8

Recyclables

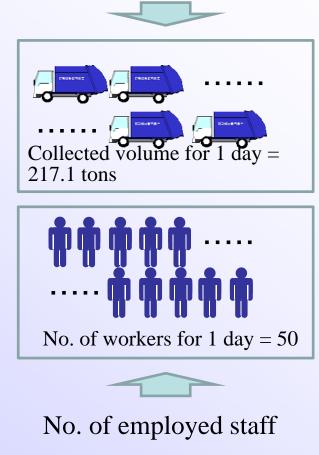
Normal freight trucks for collecting recyclables: 24

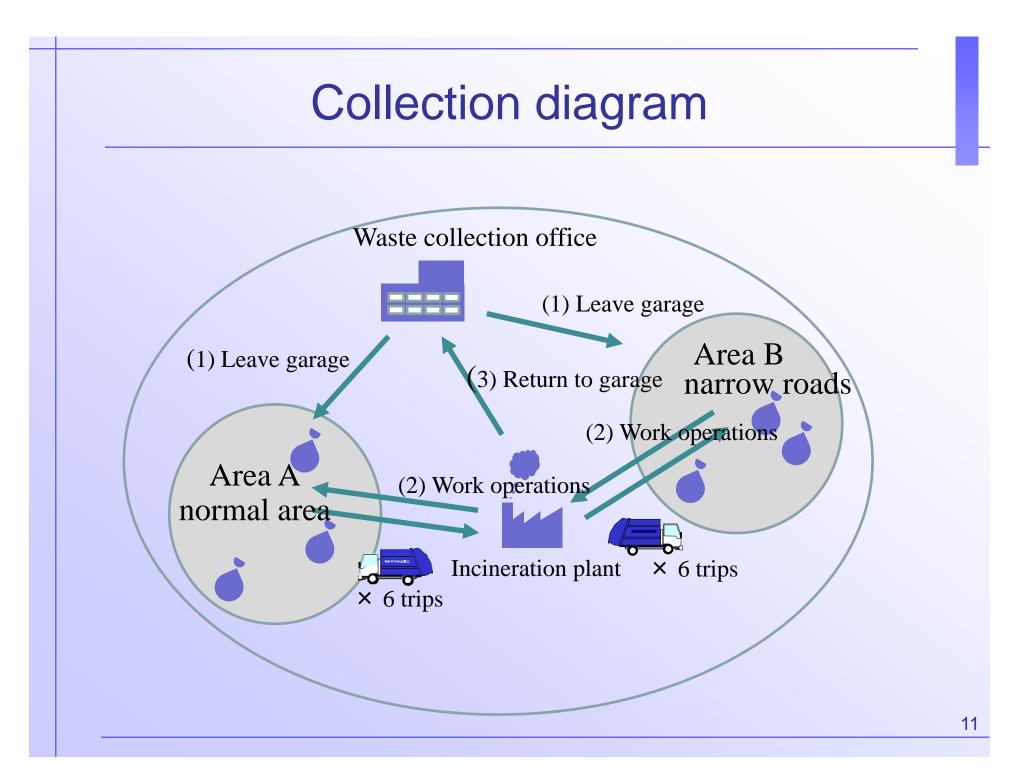


Formulation of collection plan

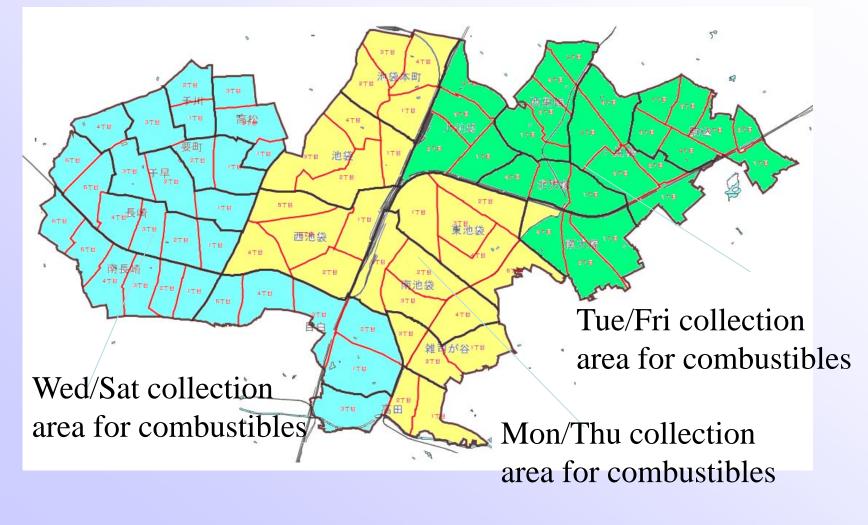


Estimated waste volume





Collection areas by day



Necessary for efficient collection

Cooperation from residents including thorough separation.

Good location for processing facilities, etc.

Technology for purpose-built vehicles, etc.

Establishment of an efficient organization and chain of command.

Thank you for your attention