

Current Situation of Waste Management and Recycling activity in Edogawa city



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**Waste Reduction Team
Cleansing Section
Environmental Division**

Outline of Edogawa city

Meaning of the Symbol Mark



This symbol mark represents Japanese letter “工” and pigeon. It expresses never ending progress and peace. Round shape of it means cooperation and harmonization with citizen.



Area: 49.09km²

N-S: 13km

E-W: 8km

Population: 674,222

Household: 300,774

Average age: 41.09

Cleansing activity and Edogawa City

2000.4

Responsibility of solid waste management was transferred from Tokyo to Edogawa.

Cleansing section of environmental division has three teams and three waste collection offices

■ Main Task

Waste and recyclables collection, Patrol for waste collection point, Authorization of solid waste disposal activity for private sector, Environmental learning, Public relation, etc..

Cleansing activity and Edogawa City

■ Main effort after 2000

2001. 3 To start collecting milk carton
Recycle character was born

2006. 3 Edogawa Waste Diet Plan

2006.12 To start collecting PET bottles at
waste collection point

2007. 4 To start collecting large-sized waste on Sunday

2008. 4 To start collecting plastic containers and
packaging

New waste separation method from Apr. 2008 !

Formerly
incombustible waste

plastics, rubbers, skins, metals, glasses, ceramics

Divided into three categories



Waste and Recyclables

Waste

Combustible (2 times a week)

Incombustible (2 times a month)

Large-sized waste

(Advance-application required)

Recyclables

Papers

(Newspapers, Magazines, Cardboards, Cartons)

(once a week)

Bottles (for drink use)

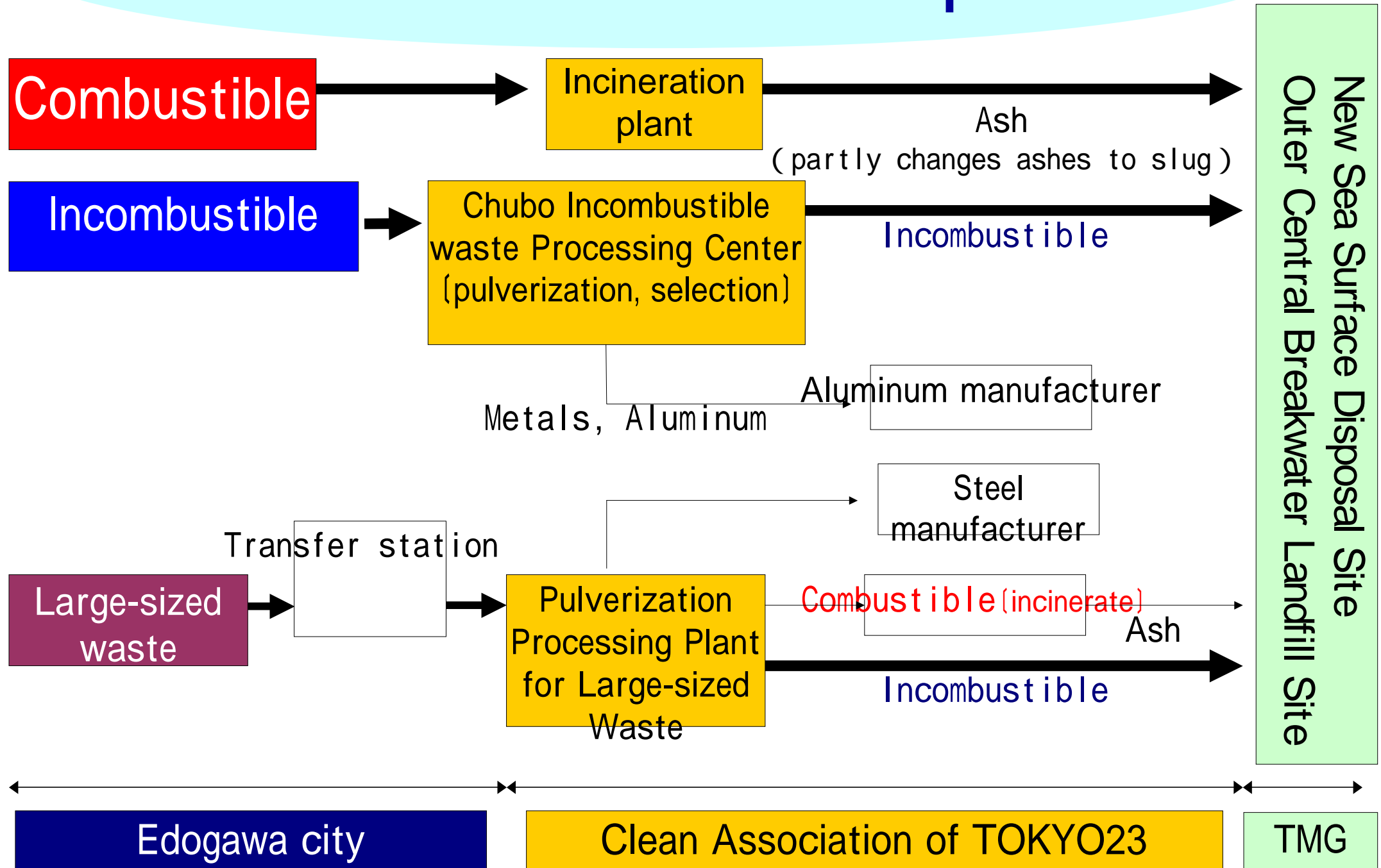
Cans (for drink and food use)

PET bottles (from Dec. 2006)

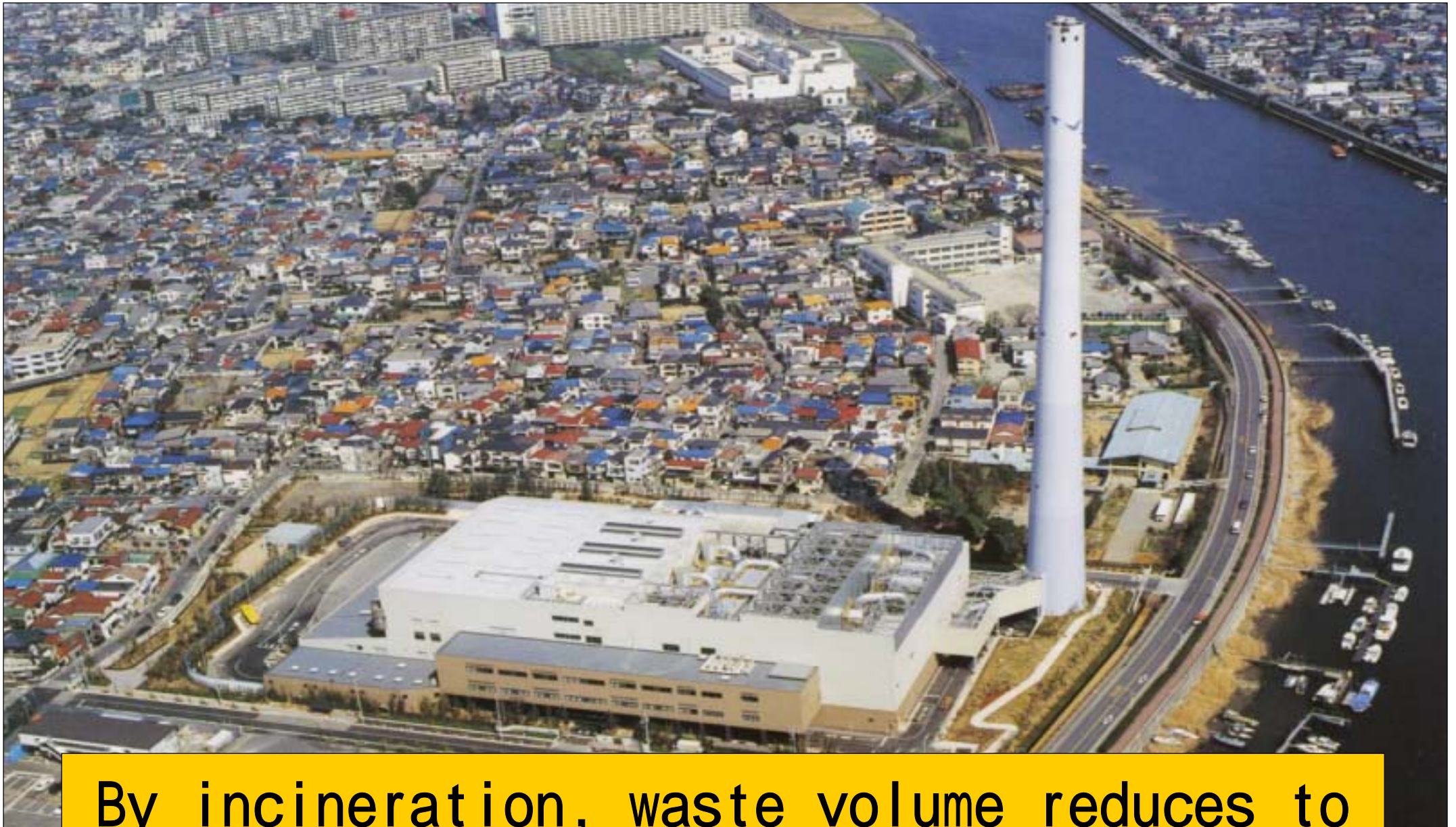
Plastic containers and packaging

(from Apr. 2008)

Flow of Waste disposal



Incineration Plant



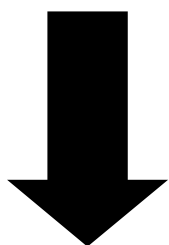
By incineration, waste volume reduces to one twentieth!

Incombustible Waste Processing Center



**After segregating metals and aluminum,
carried to landfill site**

Landfill site

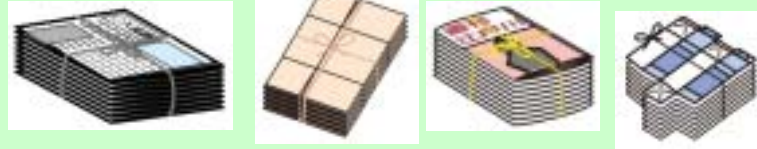


Last landfill site which can be developed in Tokyo bay



Recycling

- Paper



- Bottles



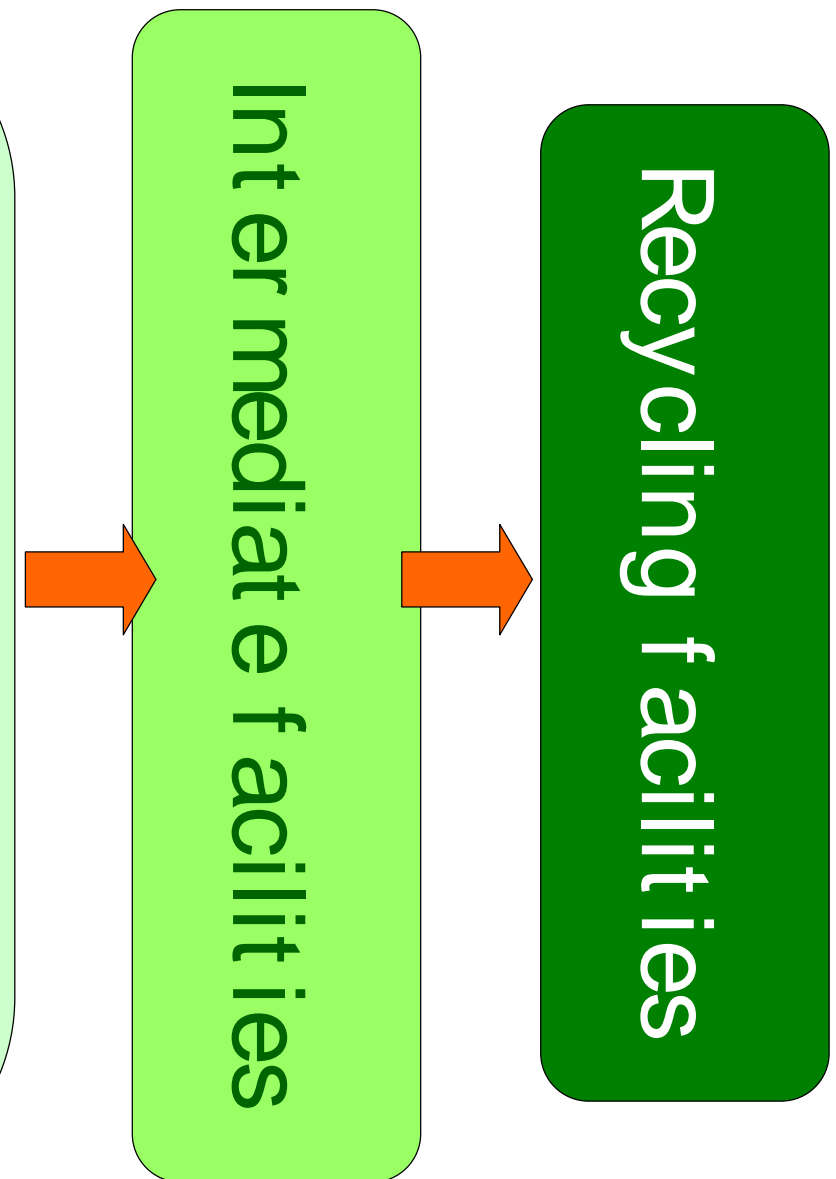
- Cans



- PET bottles



- Plastic containers and packaging



Paper Recycling



separation



compression



recycle



transfer

Bottle Recycling



Returnable bottle

After washing,
refilled with drink

One-way bottle

Used as raw material
for new bottle, etc.

Cans Recycling



- **Aluminum** turned into bare metal
- **Steel** turned into construction material

PET bottle Recycling



collection



separation



recycle



compression



Recycling of Plastic containers and packaging



Situation of intermediate processing plant for plastic containers and packaging

Not suitable for recycling



What are plastic containers and packaging?

- Unneeded plastic containers and packaging after using products
- They could be distinguished by mark.



Plastic containers and packaging



PE · PP



PET bottles

Recyclable Plastics

tray



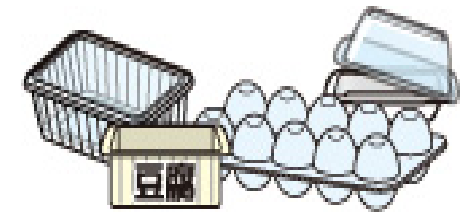
bottle



cap



pack



foam polystyrene



cup



shopping bag, outer package, label, etc.



Point

Mark

Clean

Without silver

Method of Plastic Recycling

Material Recycle

construction material, Pallet, etc.

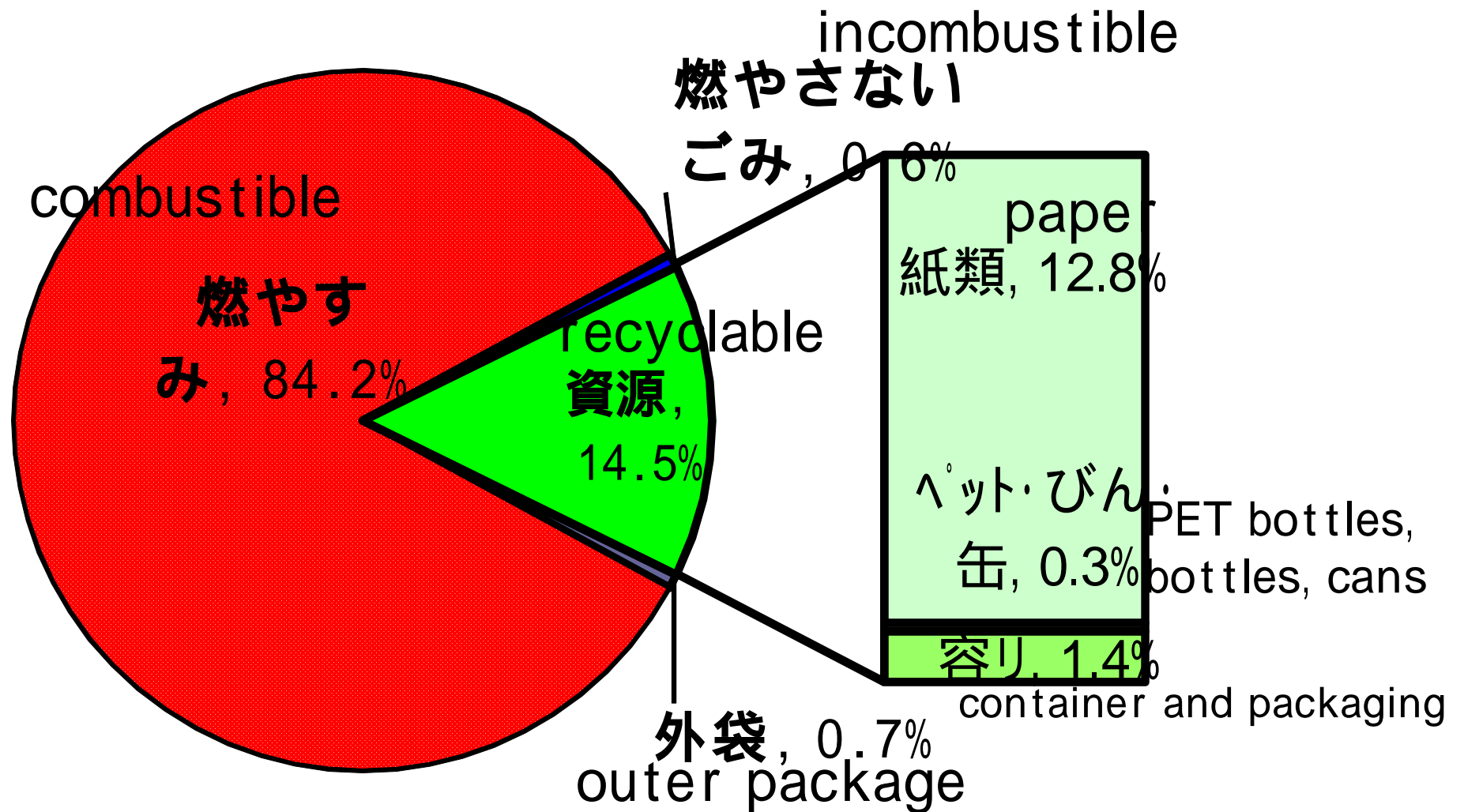


Chemical Recycle

chemical use for coke oven, gasification, for oil use,
reducing agent for shaft furnace

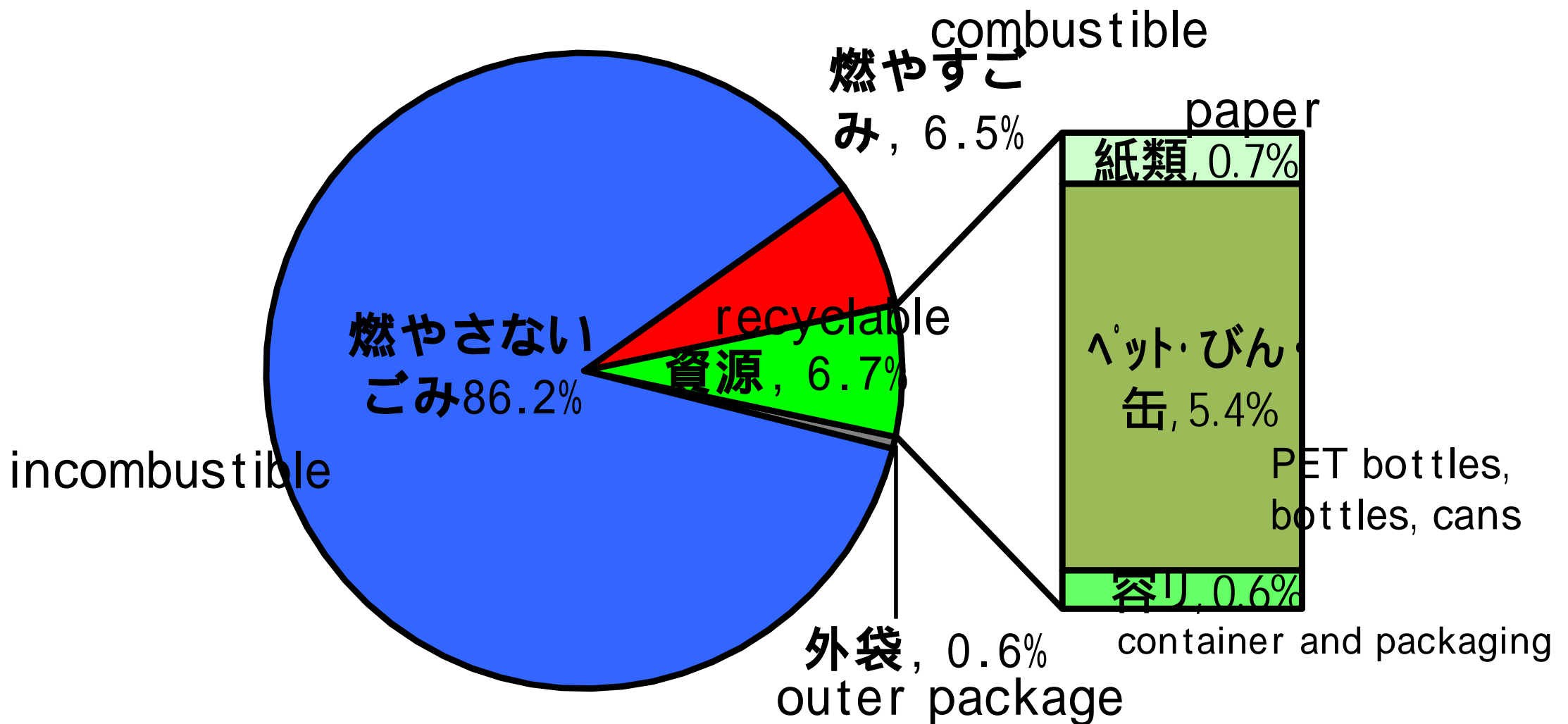
Contents of household waste

Contents of combustible waste



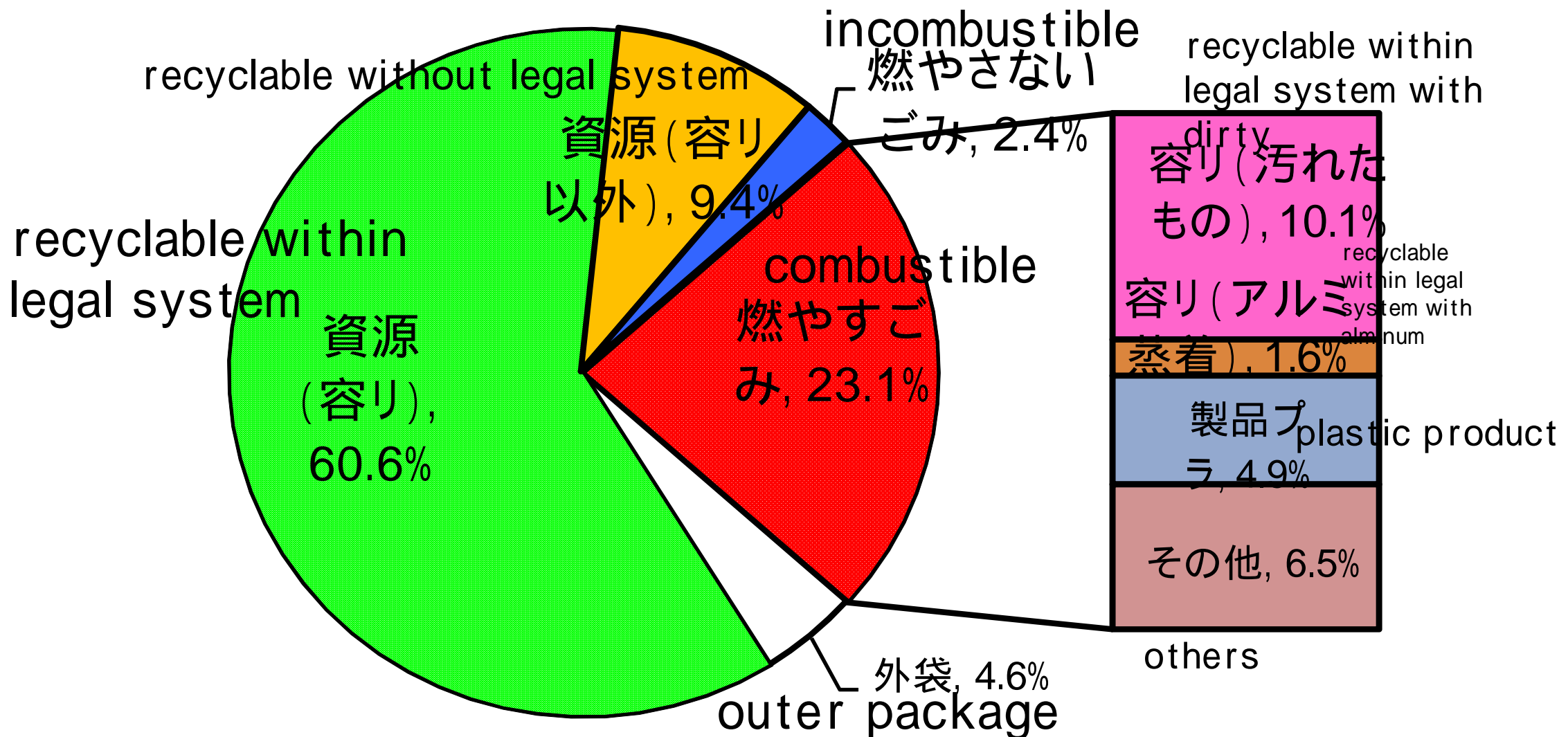
Contents of household waste

Contents of incombustible waste

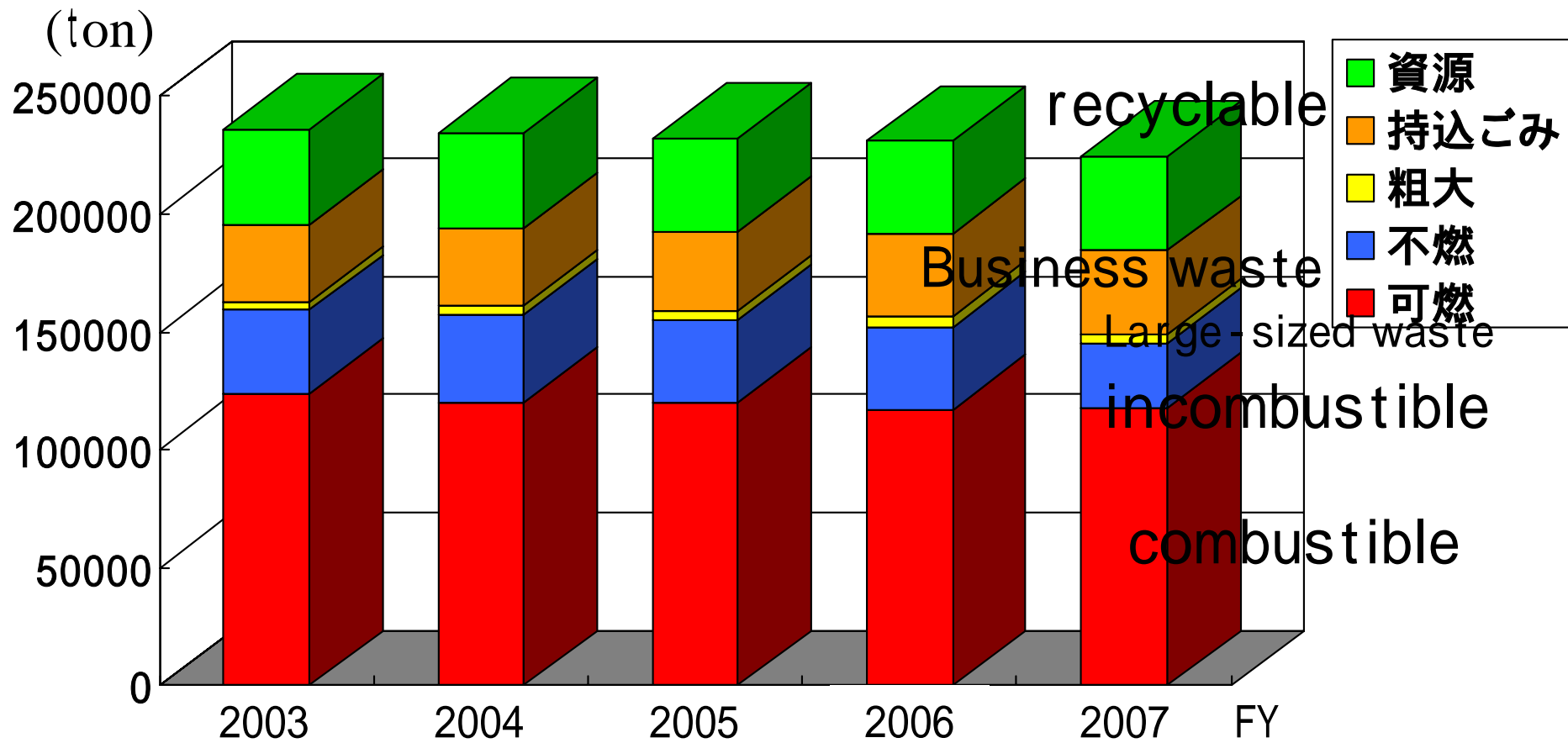


Contents of household waste

Contents of plastic containers and packaging



Amount of waste and recyclables



FY2003
235,811 t

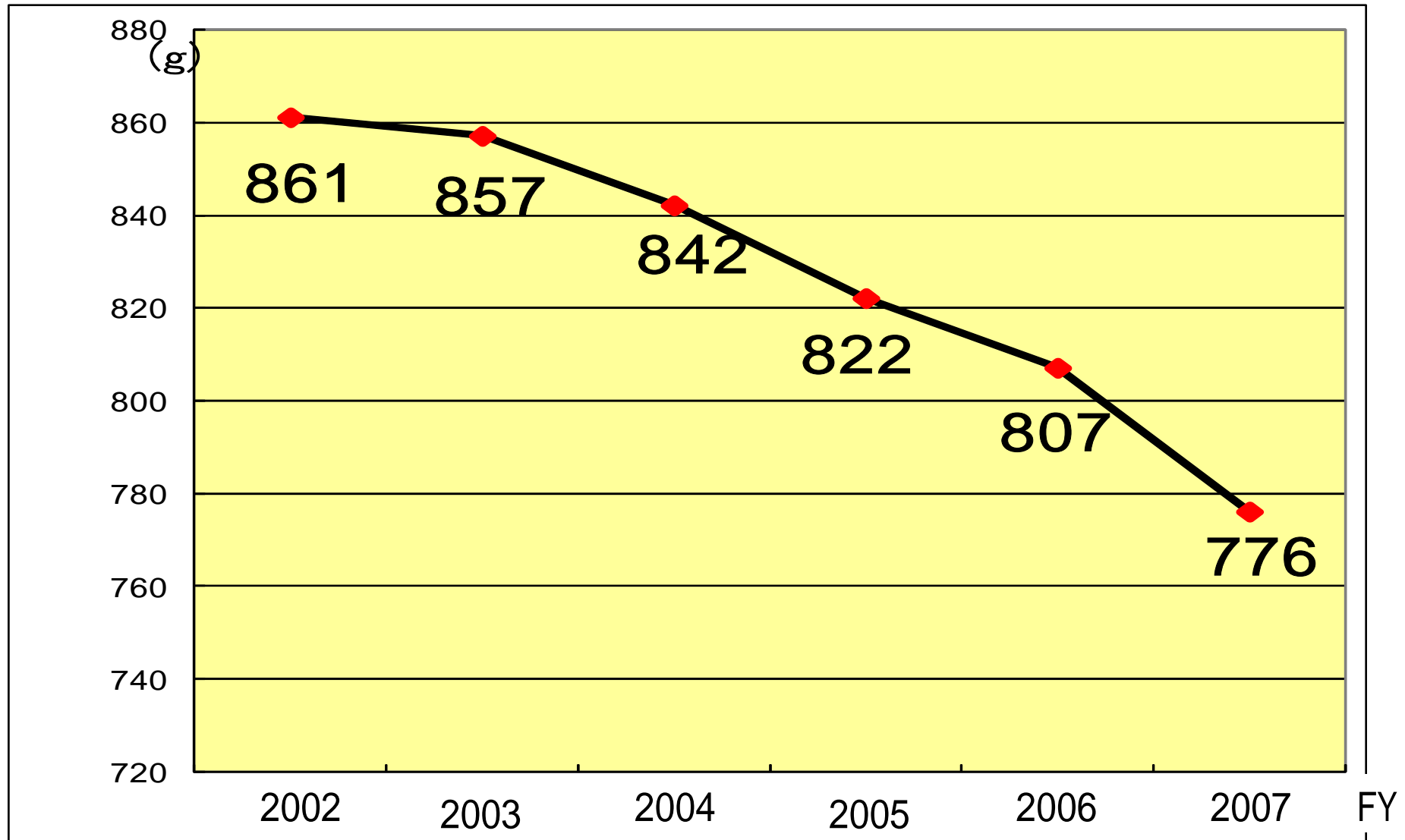


5 % reduction

FY2007
224,715 t

Daily waste volume of per person

Total amount of combustible, incombustible and large-sized waste



Period of Plan : 16 years

FY2007

FY2011

FY2021

Drawing up

Medium-term
target

Long term
target



Edogawa Waste Diet Plan

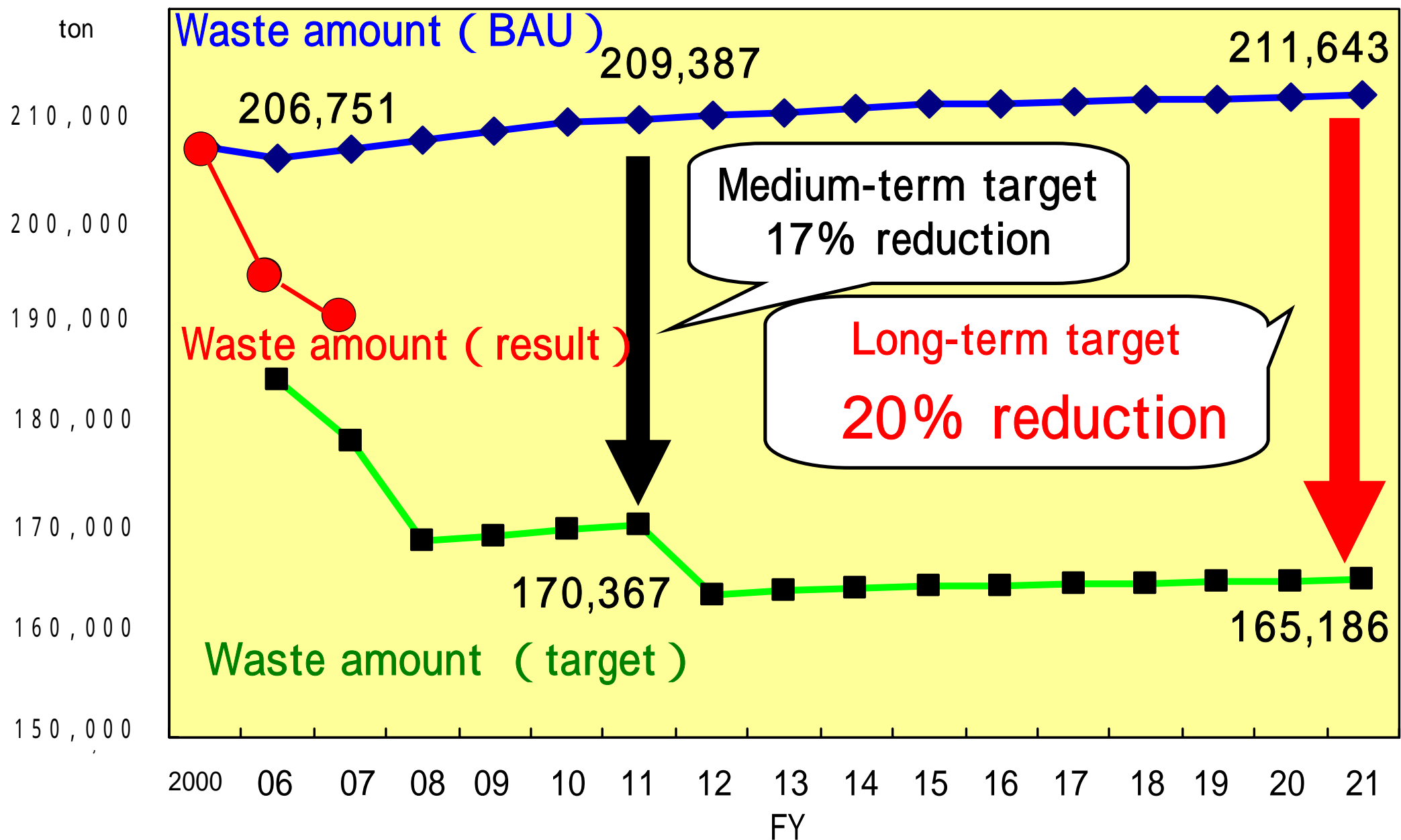


Edogawa city master concept



Edogawa city master plan

City target for waste reduction



Examples of 3R activities

Reduce (Reduce what becomes waste)

Reject shopping bag **Always carry own bag**
Reject excessive packaging **Keep in mind moderate packaging**
Don't buy not necessary items **Planned purchase**

Reuse (Use it again, without disposing of it)

Select **returnable bottles** when buying drink
Choose products that can be refilled
Take advantage of **recycling shop and recycle bank**

Recycle (Recover it as resource)

Separate resources when disposing of waste
Use **food waste** as **fertilizer**
Make a habit of choosing recycled products

1 0 0 g reduction per person a day !

1 0 0 g equivalent . . .

a rice ball

evening newspaper + a pocket tissue

three PET bottles (500 ml)

water 100 cc



1 0 0 g
per person a day

Whole city
6 6 ton
per day

Annually
23,500 ton

We are promoting “My bag campaign”!

*To increase stores which promote “My bag campaign”
Implementation of shopping bag reduction by supermarket*

- * *point system / stamp system*
- * *charge for shopping bag*
- * *“my bag” sale*
- * *notification by poster, announcement, etc.*



Other PR activities

- Lecture for recycling leader
- Delivery lecture / Study tour for Waste disposal facilities
- Enlightenment activities at various events and festivals
- Issuing information magazines of waste management and recycling, brochures for environmental learning
- Recycle bank (registration system for needless items)
- Provision of information about cooperative stores for recycling (recycle shop, mending shop, eco-store)

Effect of waste reduction

Prolonging life time of landfill site
Effective utilization of resources
Reduction of CO₂ by decreasing the
number of waste collection vehicle
Cutting cost of waste disposal

20% reduction of waste by
cooperation of all stakeholders !

Waste reduction from kitchen

Let's reduce cooking residue, leftover food, food waste whose available period has expired!

*Everyone should conduct 3R
activities !*



*Let's develop Sound Material Cycle
society by waste reduction !*