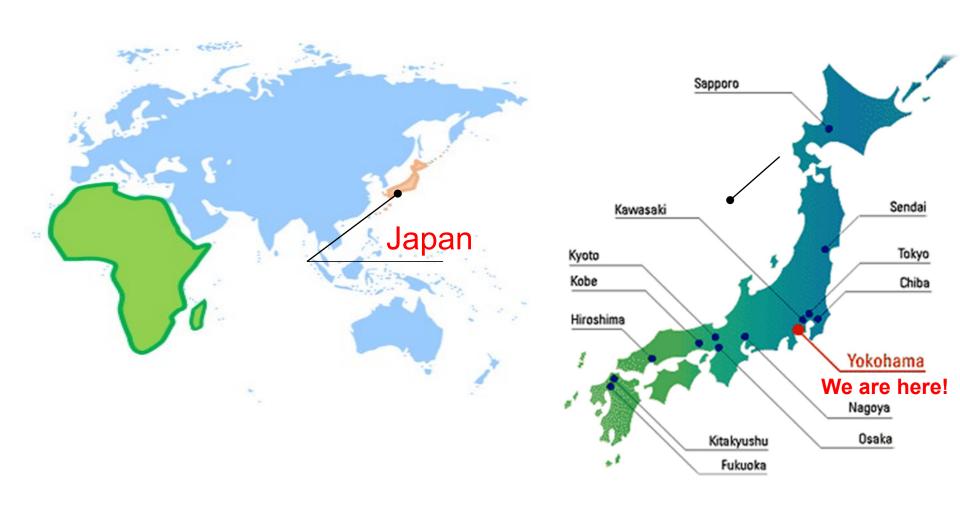


Profile of YOKOHAMA



History of YOKOHAMA

1859
Opening of the port to international trade



1923 Great Kanto Earthquake



Present



YOKOHAMA, The Closest City to Africa

TICAD 4 (2008) TICAD 5 (2013)











Interchange between Africa and Yokohama

March 2017
The First Lady of Mozambique visits an elementary school





Interchange between Yokohama and Africa

~ One School, One Country Program ~

67 Elementary & Junior High schools in Yokohama





36 African Embassies in Japan





TICAD VI (August 2016)







Side Event: Speech by the Mayor of Yokohama at the Joint Seminar on Waste Management

Transition of Waste Disposal in the 1940s





- Yokohama disposed of all waste by burial, because the incineration plants had been damaged by war and were unusable.
- We sprayed disinfectant and covered the sites with soil to prevent odors and pests.

Transition of Waste Disposal in the 1970s

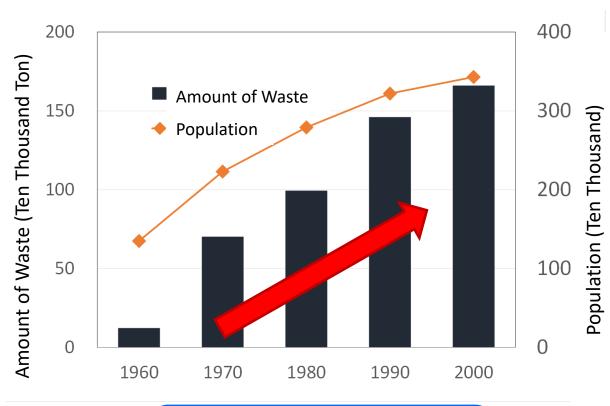




- Start of mass consumption along with a steep increase in population, material affluence, and higher income levels brought by booming economic growth. This led to an explosive increase in the amount of waste.
- Need for disposal of plastic products and oversized garbage such as TV sets, washing machines, and refrigerators. Growth of waste disposal into a problem for society as a whole.

Transition of Waste Disposal

\sim Significant Increase in Waste \sim







Population: ×2.5

Amount of Waste: ×16



Transition of Waste Disposal

 \sim Responding to the Significant Increase in Waste \sim

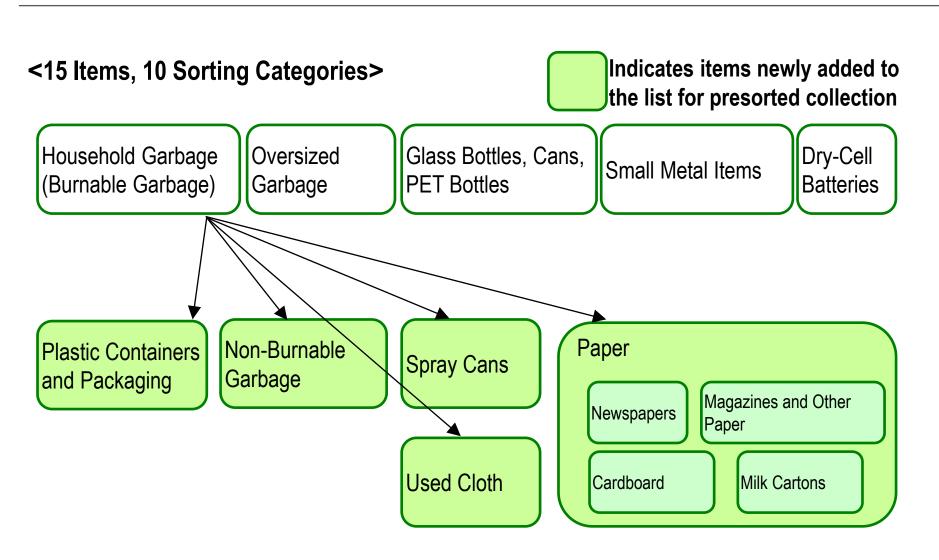
Construction of Incineration Plants



Landfill of Ash



Expansion of Items Recycled as Resources



Waste Sorting by Citizens

∼Raising Citizen Awareness∼









Waste Sorting by Citizens





Dividing

[Waste] and [Recyclables]

With the Cooperation of Our

Citizens

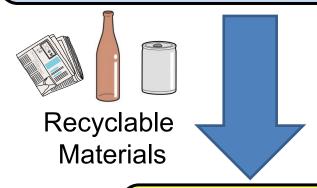




Waste Sorting by Citizens ~ Resource Recovery ~

Collection of Recyclable Materials by Local Groups

Local Groups Community Councils
Neighborhood Associations
Children's Groups





Recycling Companies



Waste Sorting by Citizens ~ Citizen Volunteers ~

Citizens

Citizen Volunteers

Administration



Waste Sorting in Collection Sites



Waste Sorting in Local Events

Private Businesses

∼ Recycling of Kitchen Waste and Wood Waste ∼

Kitchen Waste ©YOKOHAMA ENVIRONMENT SAFEGUARD Co.Ltd

Composting







Wood Waste

©YOKOHAMA ECOLOGY Co.Ltd

Processing into chips for use as material to make pulp etc.







Private Businesses

\sim Recycling of Plastic and PET Bottles \sim

PET bottles

©ALL WASTE RECYCLE Co.Ltd





Processing into flakes used to make clothes



Gasification for use in production of carbonated beverages and dry ice



©SHOWA DENKO Co.Ltd









Efforts by Private Businesses

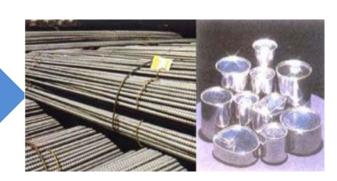
~ Recycling of aluminum cans and steel cans ~

Steel Cans and Aluminum Cans

©YOKOHAMA RESPURCES AND WASTE RECYCLING PUBLIC CORPORATION







Private Businesses

\sim Recycling of small electrical/electronic goods \sim

Small Consumer Electrical / Electronic Goods

©SUZUTOKU Holdings Co.Ltd







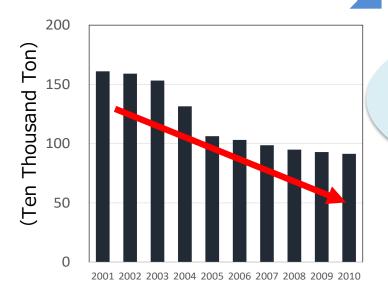
Project for production of medals using metal from urban mines!

Production of medals for the Tokyo 2020 Olympics and Paralympics using precious metals extracted from small consumer electrical / electronic goods

Results of Sorting Approaches

Reduction in Waste Volume of 43% in 10 years





Closing of Incineration Plants: 7 Plants to 5 Plants



Waste Disposal in Yokohama ∼ Incineration ∼





○Making Waste Harmless ○ Reduction of Waste Quantity

Reduction of Weight to 1/6 Reduction of Volume to 1/40

Using Heat Generated by Incineration

Providing Electricity Worth 100,000 Households

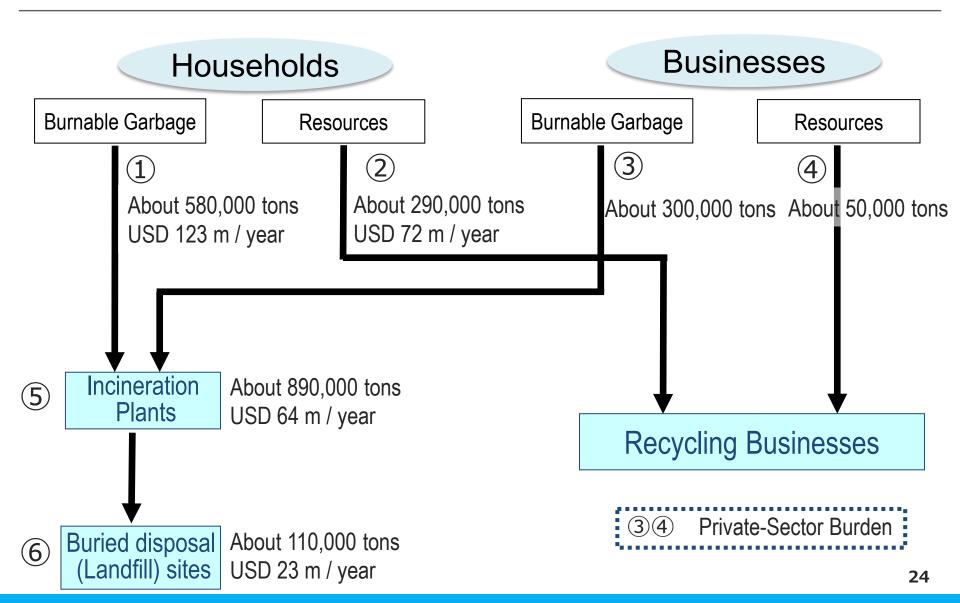
Waste Disposal in Yokohama

 \sim Incinerated Ash as Landfill for Port Facility Development \sim



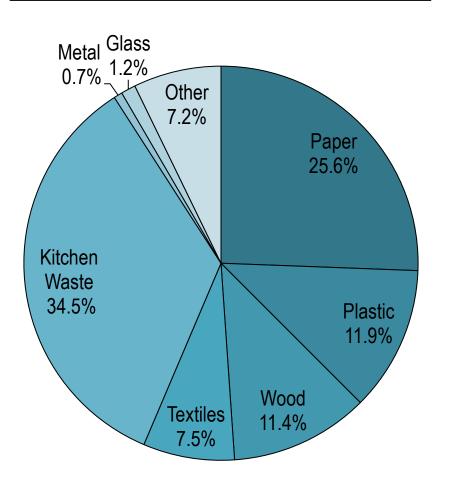


Flow of Garbage and Resources

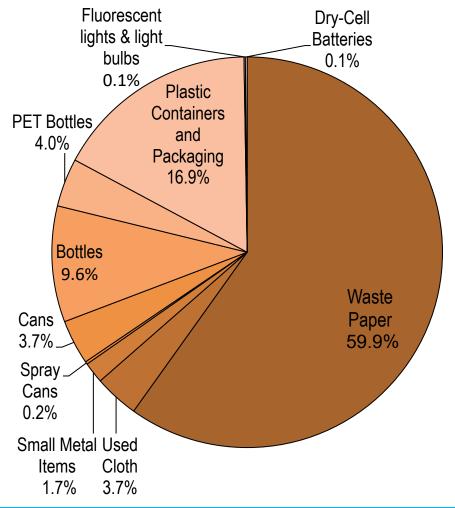


Breakdown of Burnable Garbage and Resources (Household)

Burnable Garbage (about 580,000 tons)



Resources (about 290,000 tons)



Proposals from YOKOHAMA

Partnership and interchange based on local conditions

1 Provision of Practical Training

Practical programs incorporating on-site, firsthand experience

Refill Products





Personal Shopping Bags

Personal Bottles



20

Proposals from YOKOHAMA

Partnership and interchange based on local conditions

1 Provision of Practical Training

Practical programs incorporating on-site, firsthand experience

2 Corporate Partnership

Setup integrating city government and recycling businesses

3 Total Approaches

Total approaches extending to the sanitation aspect, including improvement of water quality through wastewater treatment and prevention of illegal dumping

Thank you for your kind attention!

We are looking forward to hearing from you in Yokohama

Africa & Yokohama Together