

Yokohama's Waste Management



**Resources & Waste Recycling Bureau
City of Yokohama**



Map



18 Collection offices
(1 per ward)

4 Transit centers

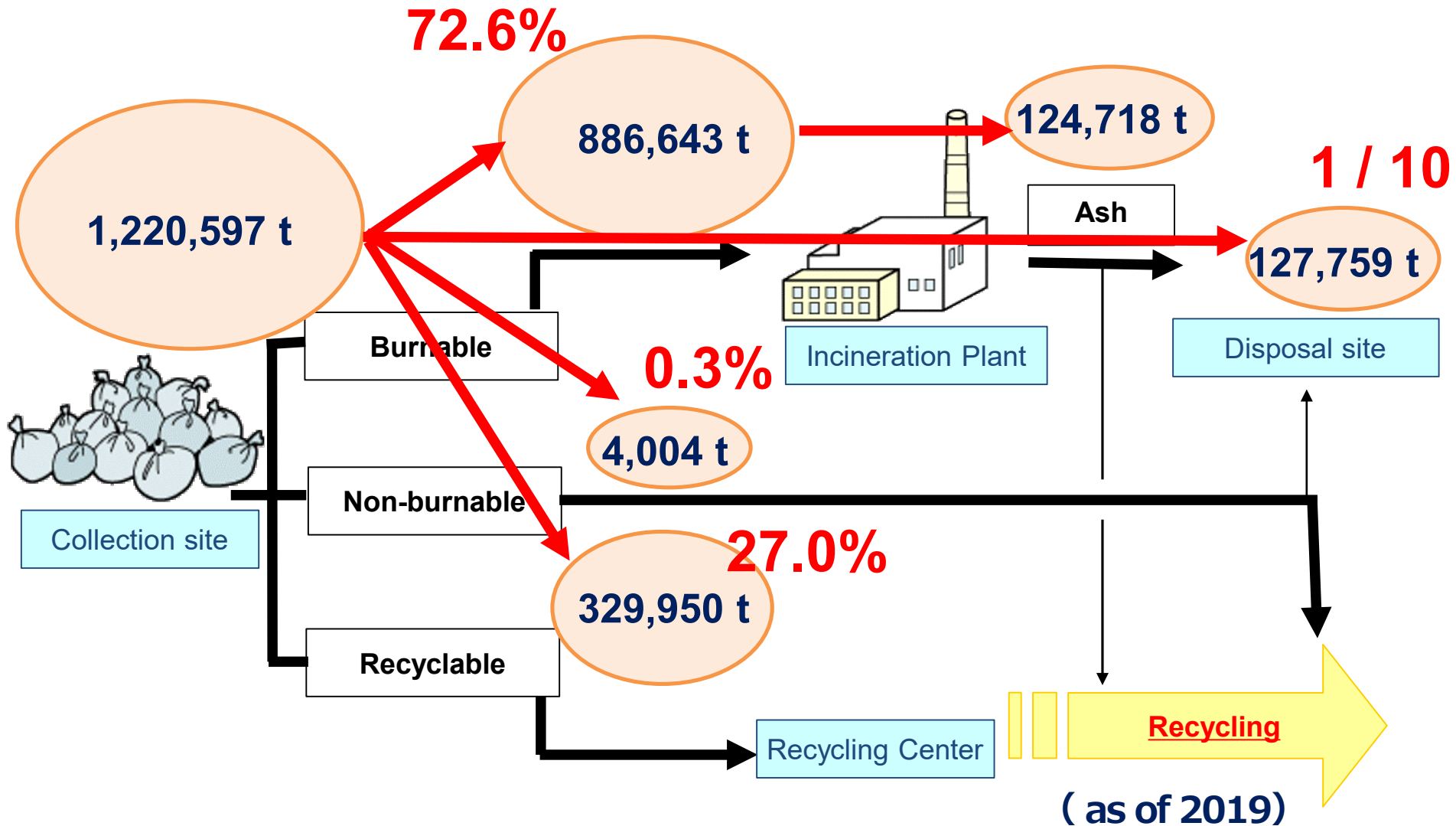
4 Incineration plants
(plus 1 backup)

4 Recycling Centers

1 Final disposal site
(plus 2 filled site)

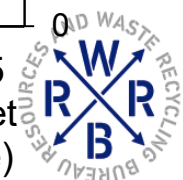
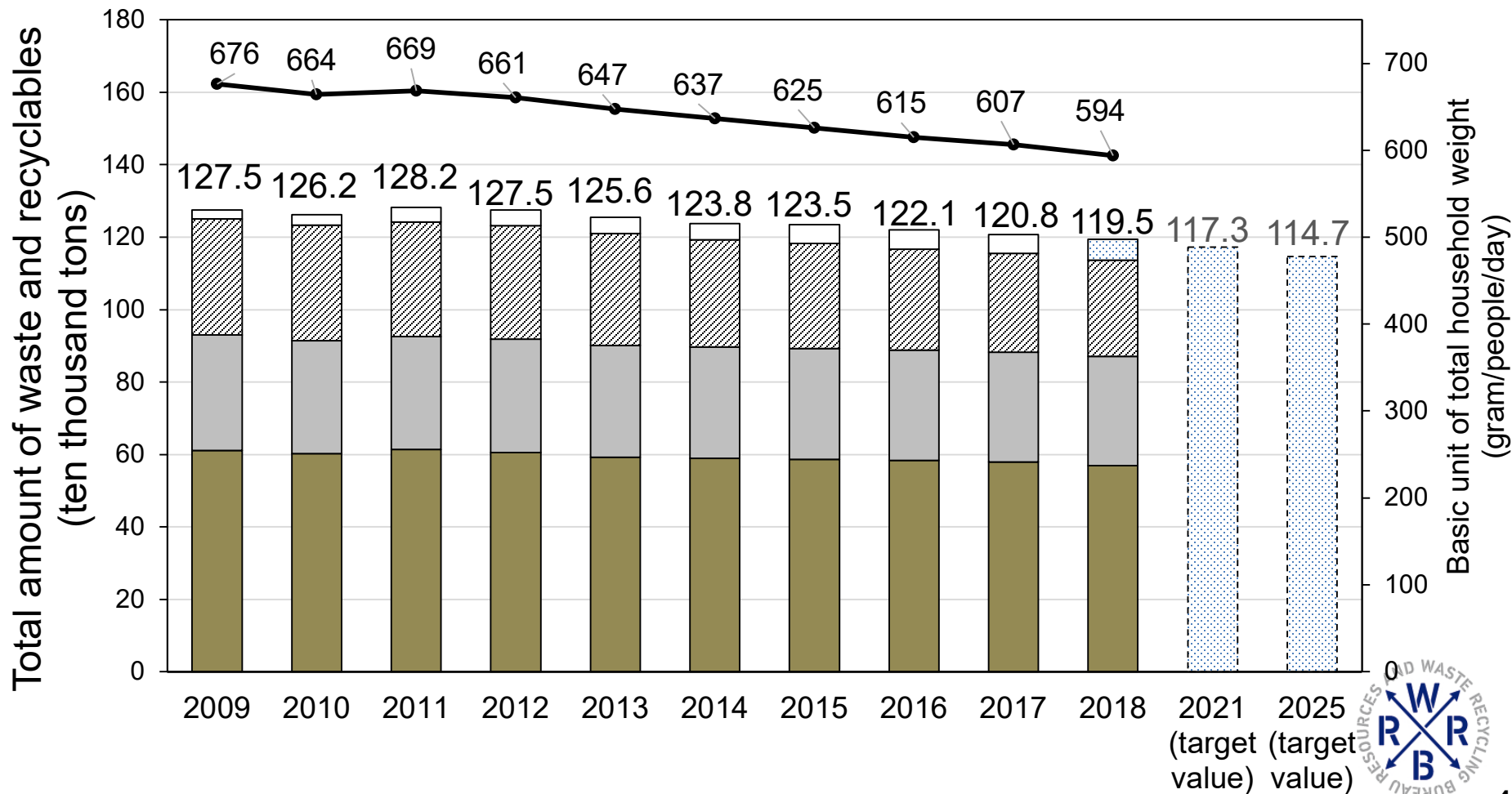


Amount of Waste & Resources

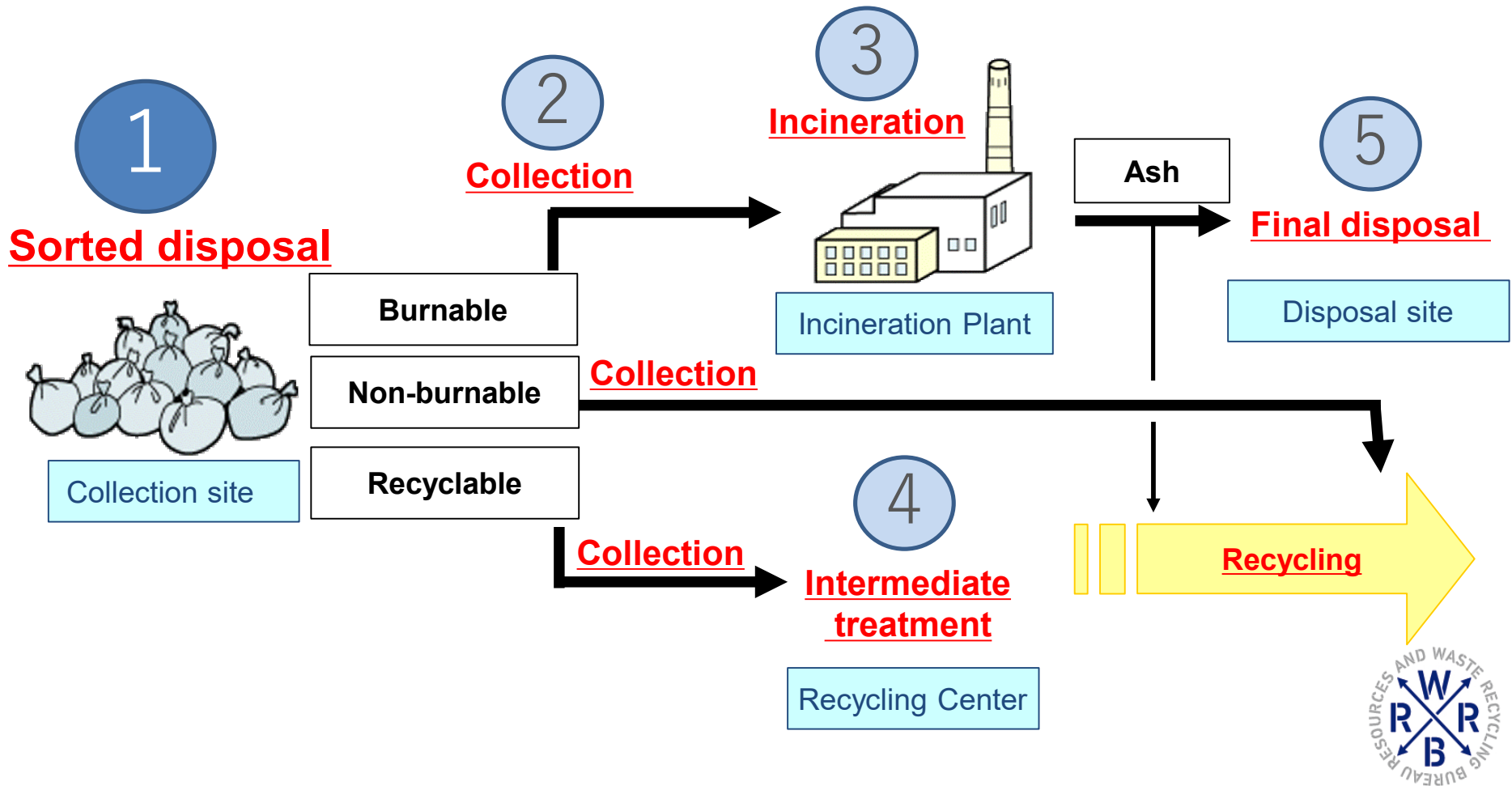


Changes in discharge amount of general waste

- Household waste garbage amount
- Business related garbage amount
- Household recycled amount
- Business related recycled amount
- Basic unit



Flow of Waste & Resources



Sorted disposal

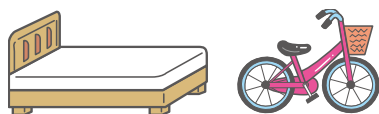
1

Household Waste Sorting Categories: 10 categories, 15 types

Burnable waste



Oversized waste



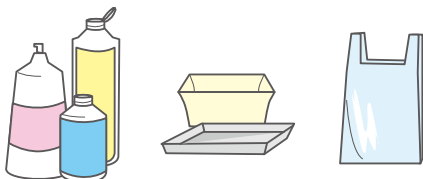
Cans, glass bottles, plastic bottles



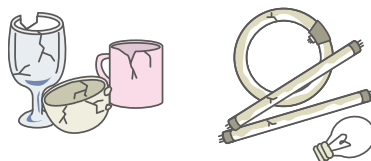
Small metal items



Plastic containers/wrapping



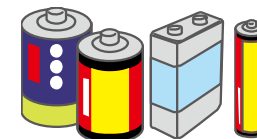
Non-burnable



Spray cans



Used batteries

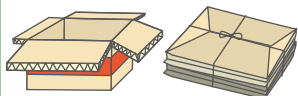


Paper

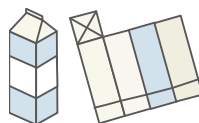
Newspapers



Cardboard



Cartons



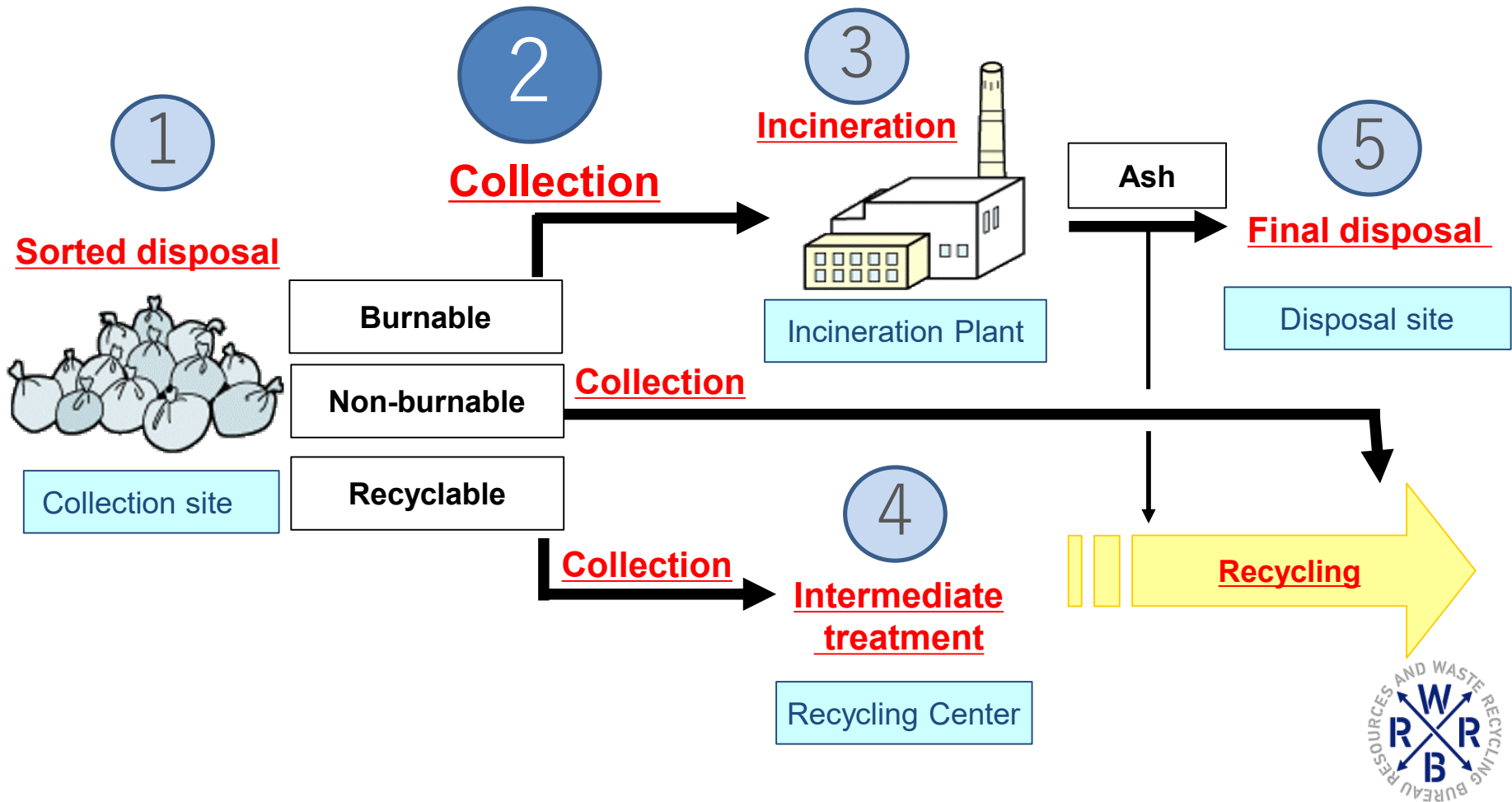
Magazines/ other paper



Clothes/Fabrics



Flow of Waste & Resources



Collection Site

approx. 75,000 sites (2019)

10~30 households (per site)



The Collection Office in each of the 18 wards collects household waste

Garbage Trucks : approx. 900 (2019)

Staff Members : approx. 1,300 (2019)

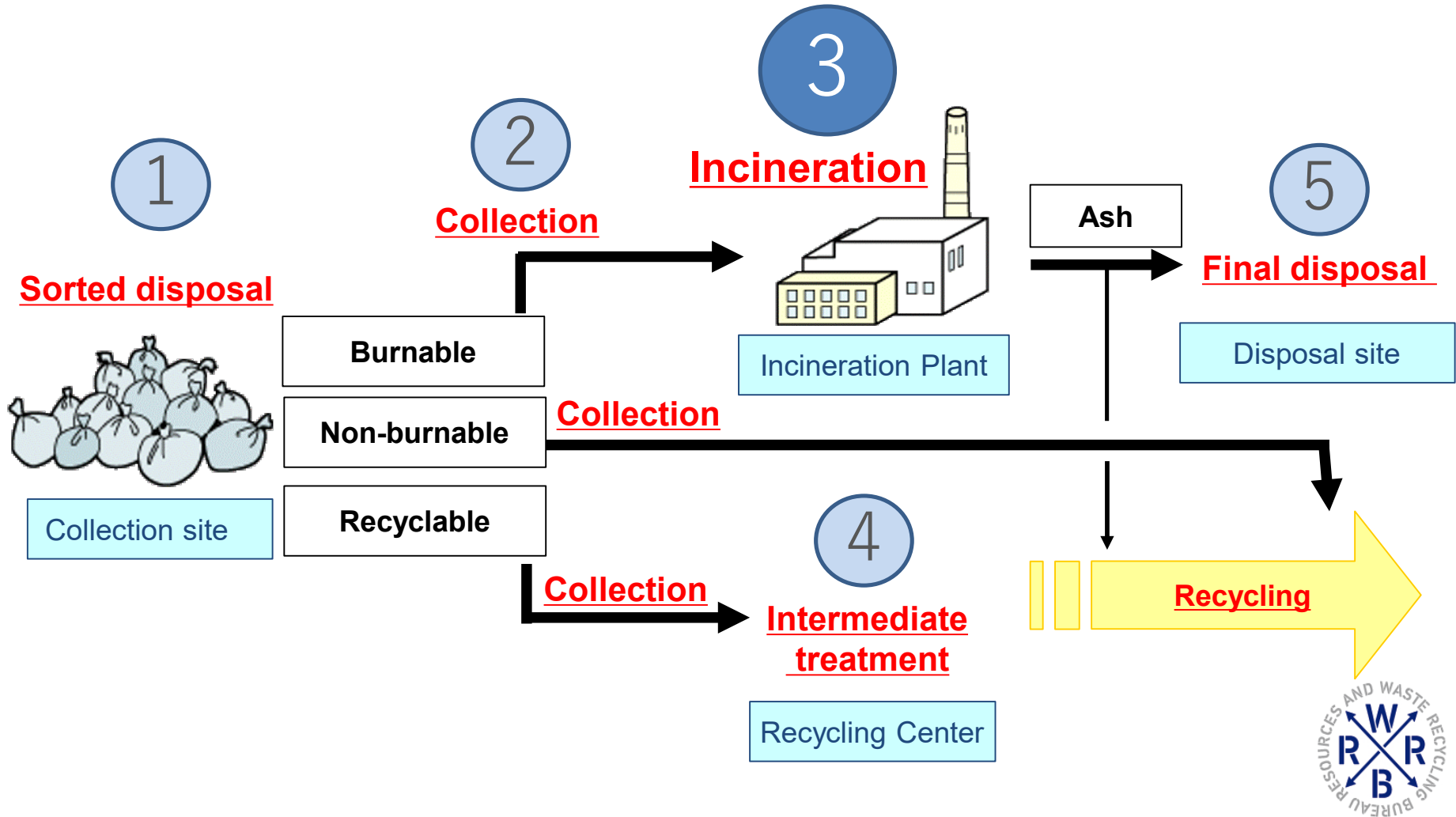


Average Garbage Truck

- Maximum Loading Capacity 2 t
- Diesel - Electric Hybrid Car



Flow of Waste & Resources



Incineration Plants

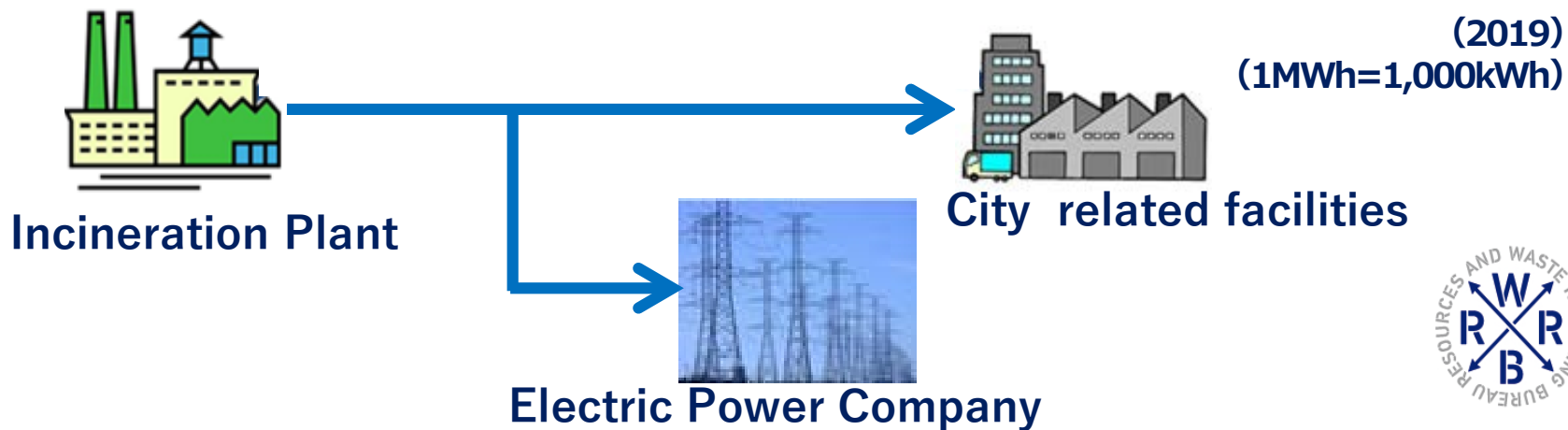
	Tsurumi Plant	Asahi Plant	Kanazawa Plant	Tsuzuki Plant
Year of Construction	1995	1999	2001	1984
Capacity (tons/day)	1,200	540	1,200	1,200
Power Generation Capacity (kW)	22,000	9,000	35,000	13,000
Construction Cost (\$)	471million	248million	569million	261million

(1 dollar = 110 yen)

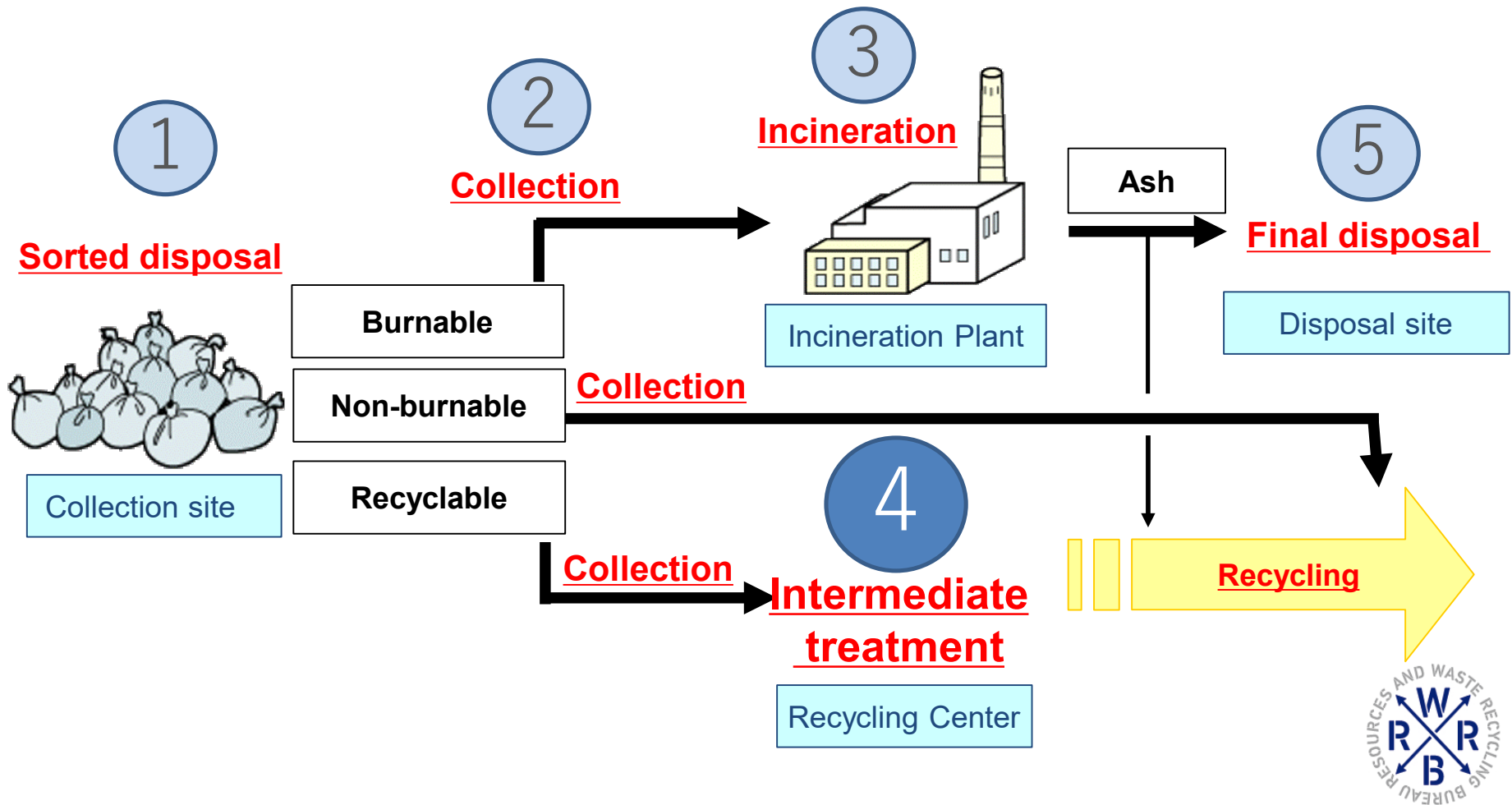


Power Generation

		Tsurumi Plant	Asahi Plant	Kanazawa Plant	Tsuzuki Plant	Total
Total Generation (MWh)		106,211	42,491	131,899	79,797	360,398
Break-down	Used	35,996	15,523	42,297	21,841	115,657
	Related facilities	3,240	296	1,033	2,149	6,719
	Sold	66,975	26,672	88,568	55,807	238,022
Revenue (\$)		8.3million	3.5million	13.1million	6.0million	30.9million



Flow of Waste & Resources



Recycling Center

	Tsurumi Recycling Center	Midori Recycling Center	Kanazawa Recycling Center	Totsuka Recycling Center
Year of Construction	1995	Building A : 1993 Building B : 1998	2002	1995
Capacity (tons/5h)	50	Building A : 25 Building B : 35	30	60
Construction Cost (\$)	77 million	Building A : 22 million Building B : 17 million	10 million	38 million



Tsurumi



Midori



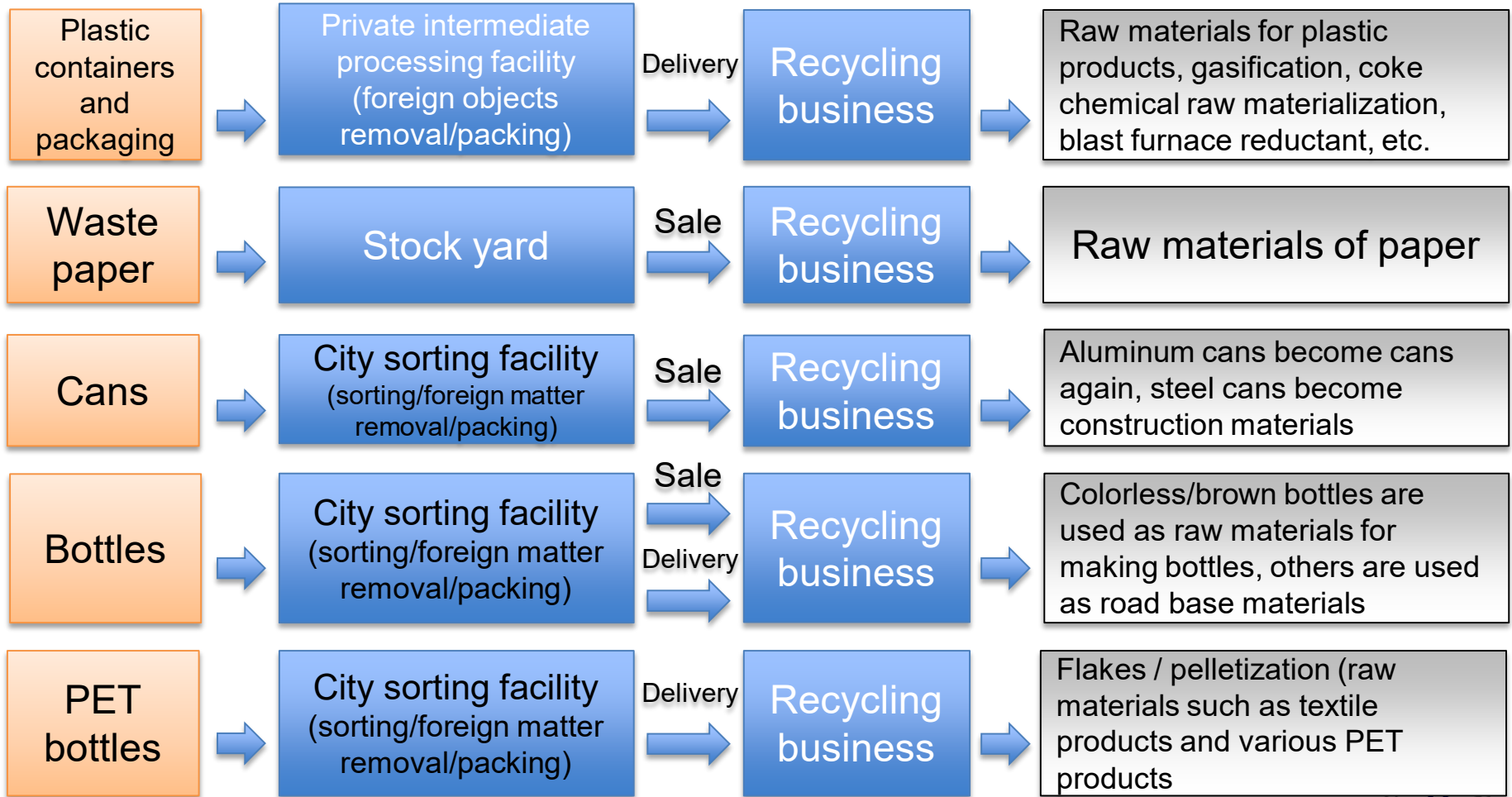
Kanazawa



Totsuka



Flow of recycling of main sorted collection items



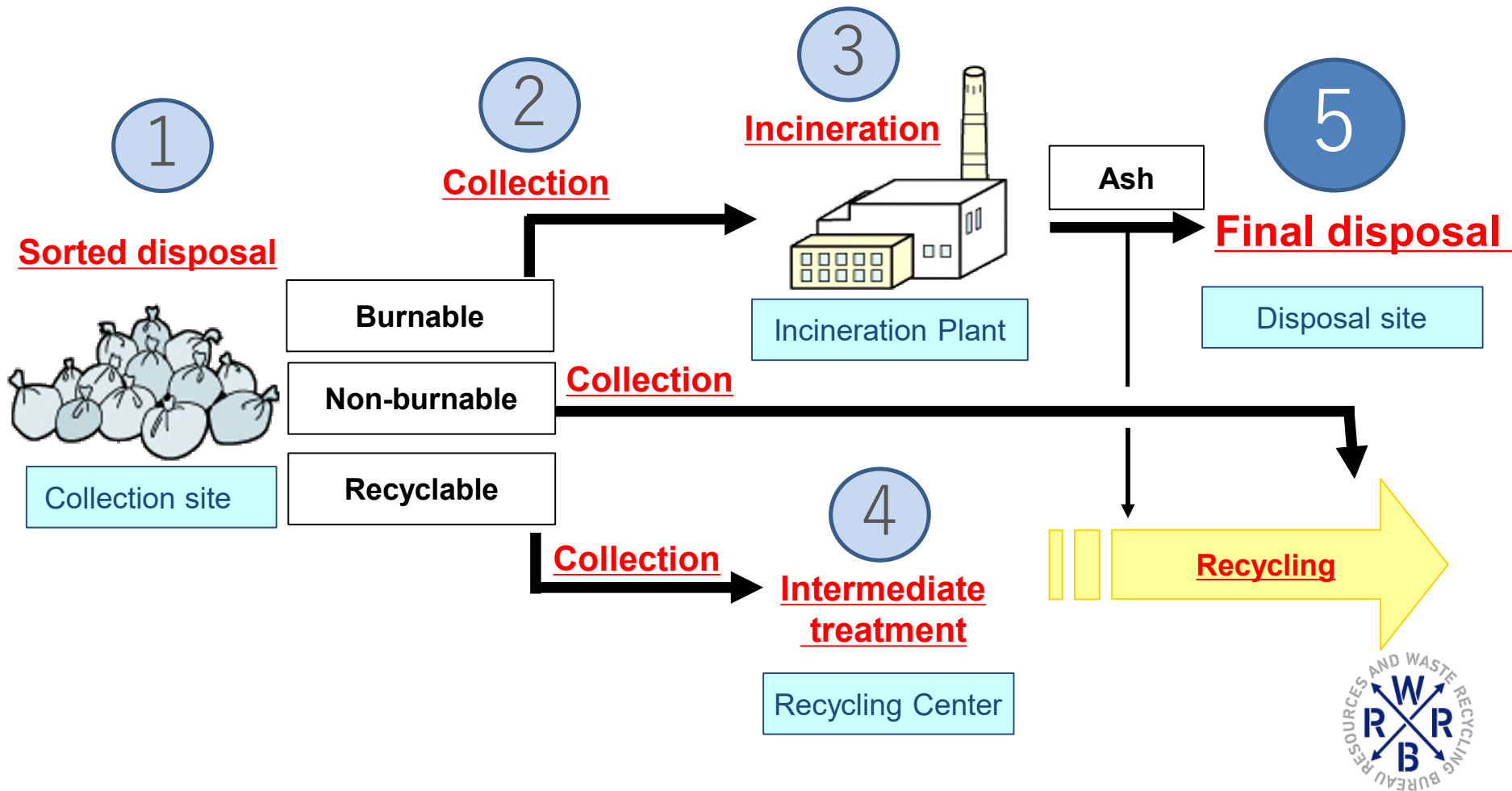
Steel Cans & Aluminum Cans



Plastic Bottles



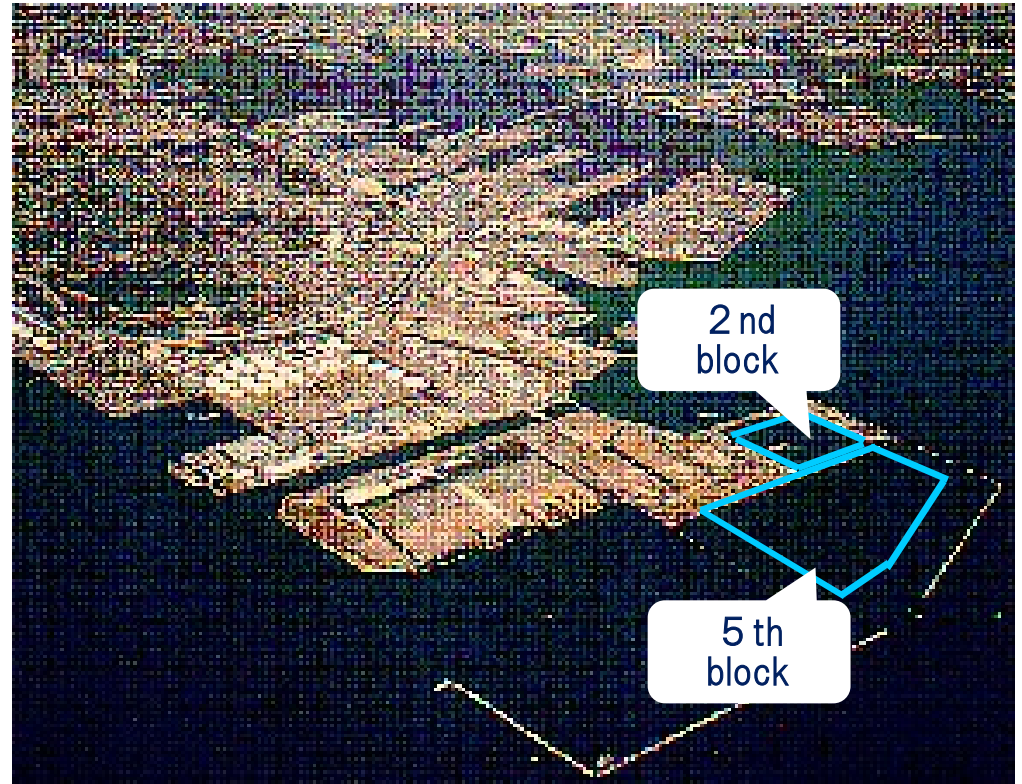
Flow of Waste & Resources





Shinmeidai Disposal Site

Filled Mar.2011



Minami Honmoku Final Disposal Site

Block 2 filled in 2017

Block 5 starts operating in Oct 2017





THANK YOU FOR YOUR ATTENTION

**RESOURCES AND WASTE RECYCLING BUREAU,
CITY OF YOKOHAMA**

