

Japan's Experiences in

Environmentally Sound Management of E-waste

- Home Appliances Recycling Law -

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Contents

- 1 Home Appliances Recycling Law
- 2 Statistical Data
- 3 Review of the Law: Accomplishments & Problems
- 4 PCs and other UEEE/WEEE

Legislative Framework

Basic Environment Law

Effective since
Aug 1994

**Fundamental Law for Establishing a Sound
Material-Cycle Society**

Jan 2001

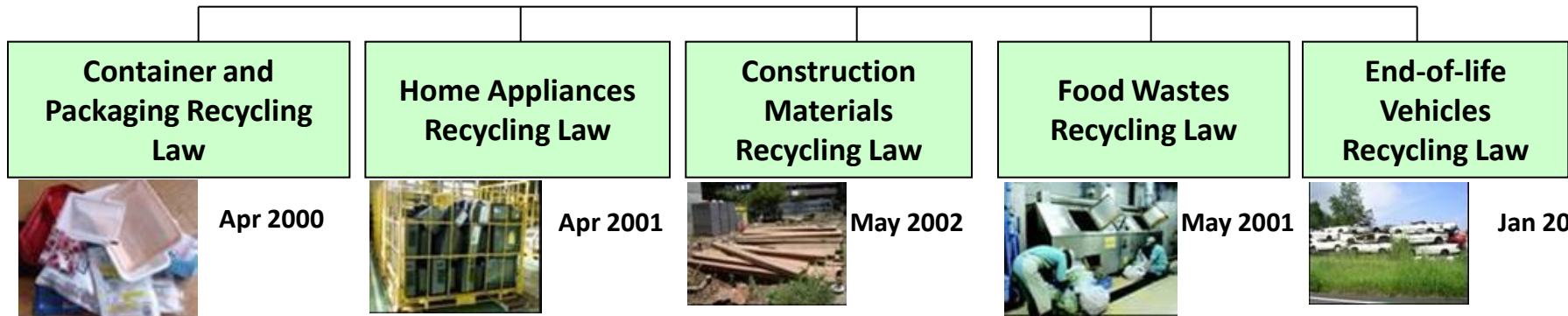
<Appropriate treatment of waste>

**Waste Management and Public
Cleansing Law**

<Promotion of recycling>

**Law for Promotion of Effective
Utilization of Resources**

(Regulations according to the Characteristics of Respective Items)



Law on Promoting Green Purchasing

Home Appliance Recycling Law

Objective

Legally promotion of ESM of E-waste and efficient use of recyclable resources

Mechanism

Introduction of responsibilities to all stakeholders:

- End users: payment of recycling fee
- Retailers: collection of used home appliances
- Manufacturers: recycling of collected appliances

Targets

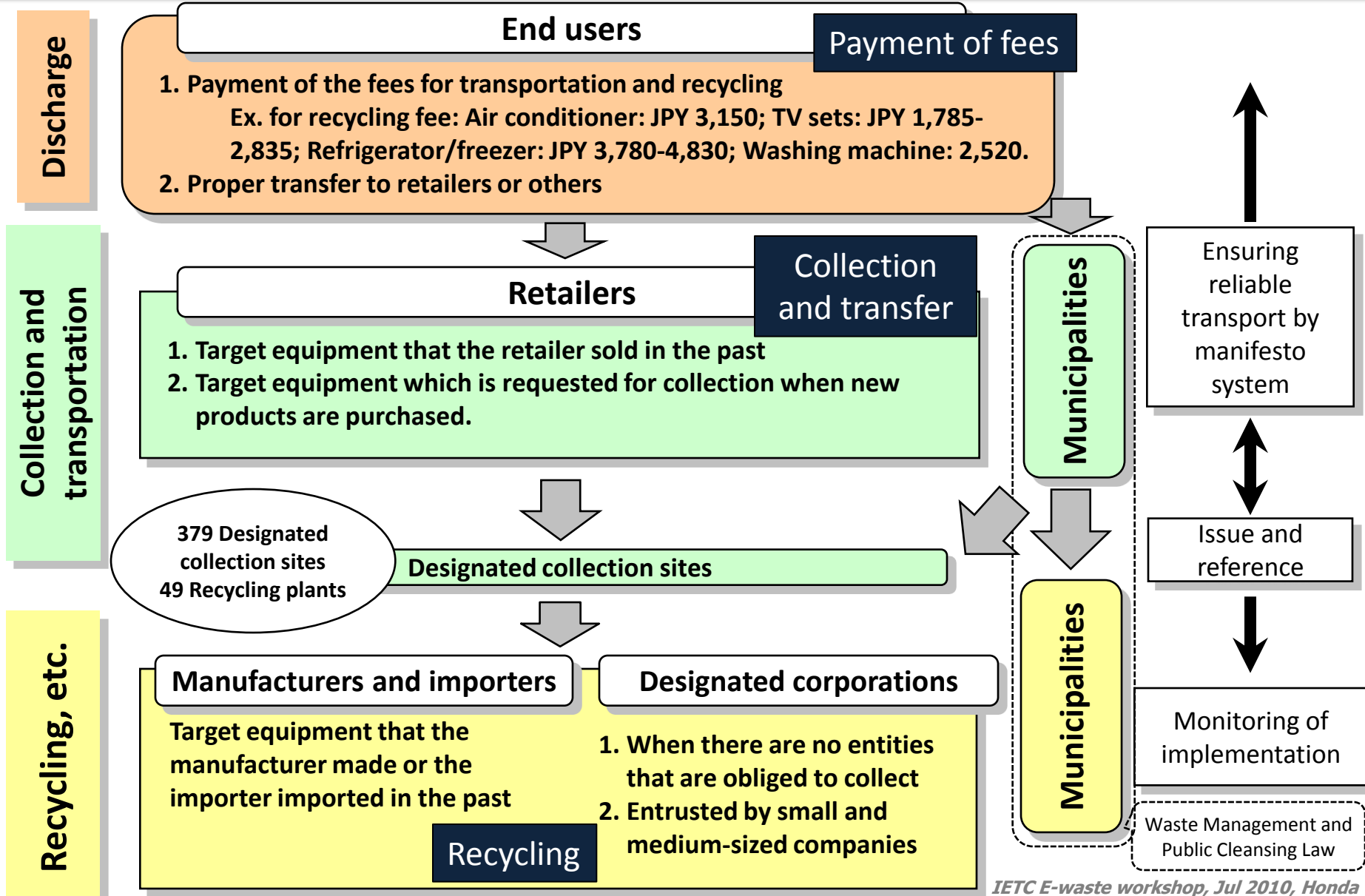
Air conditioners

Televisions (CRTs, LCD/PDP TVs)

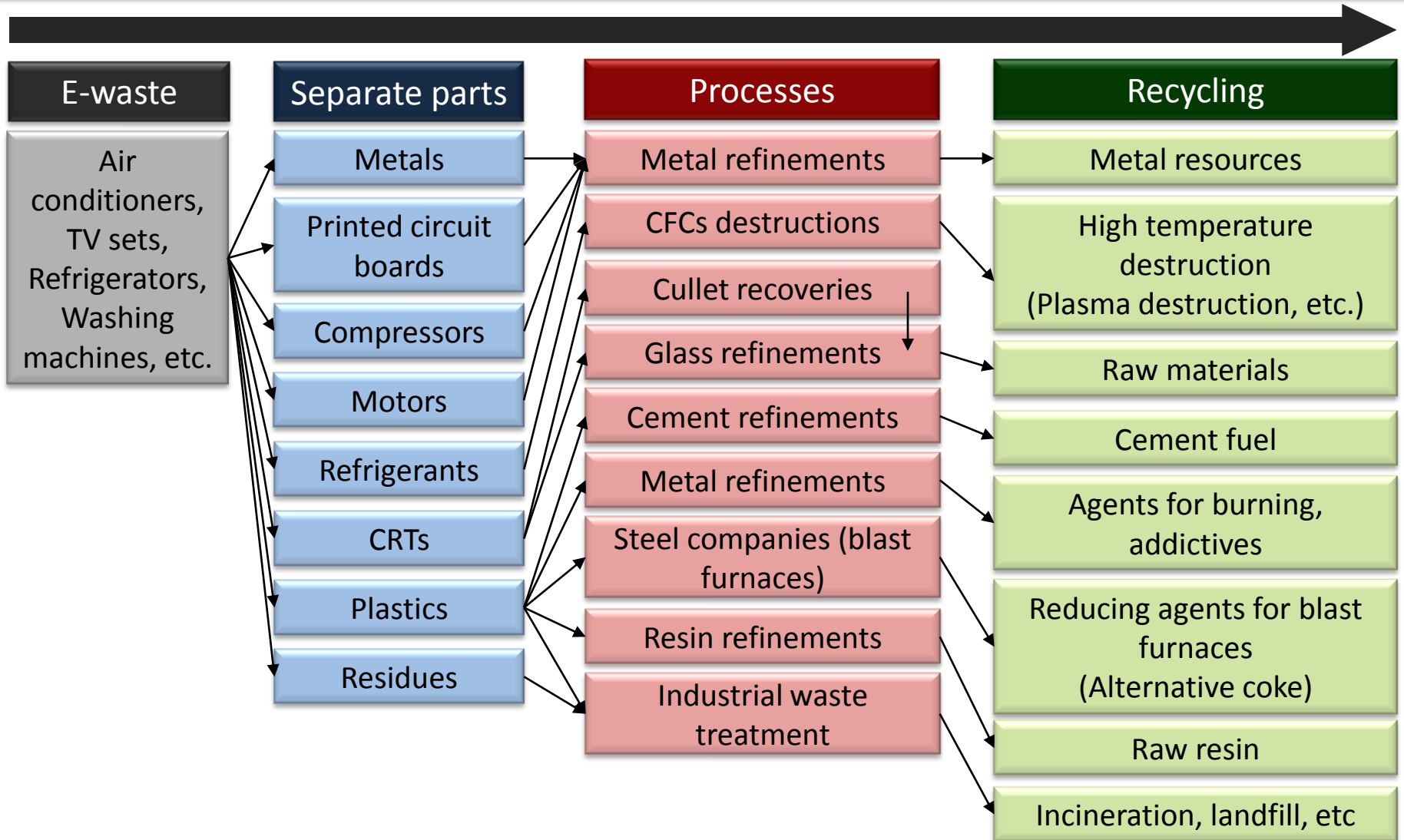
Refrigerators and freezers

Washing machines and clothes dryers

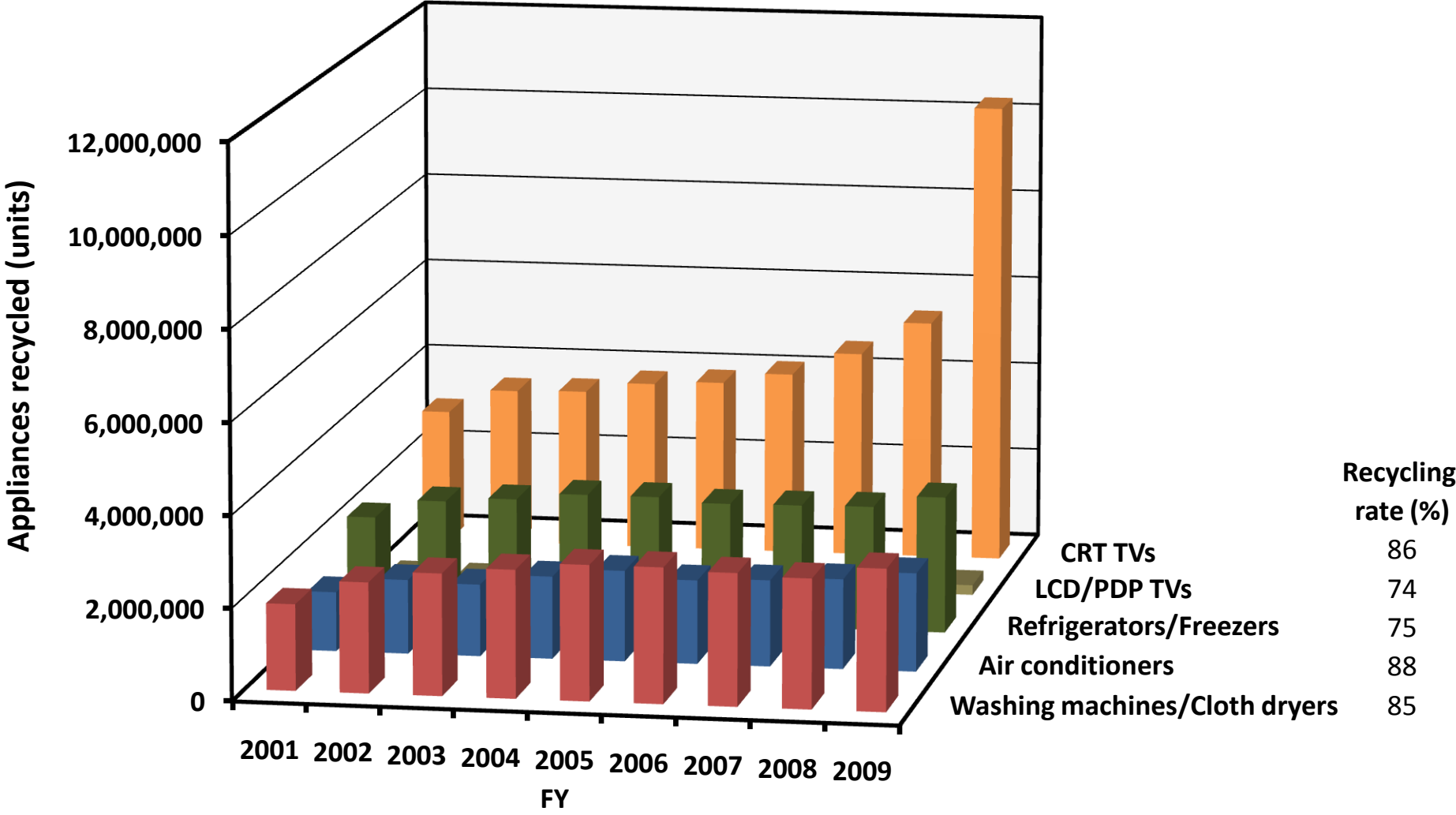
Mechanism of the Recycling Law



Material Flow of Waste Home Appliances

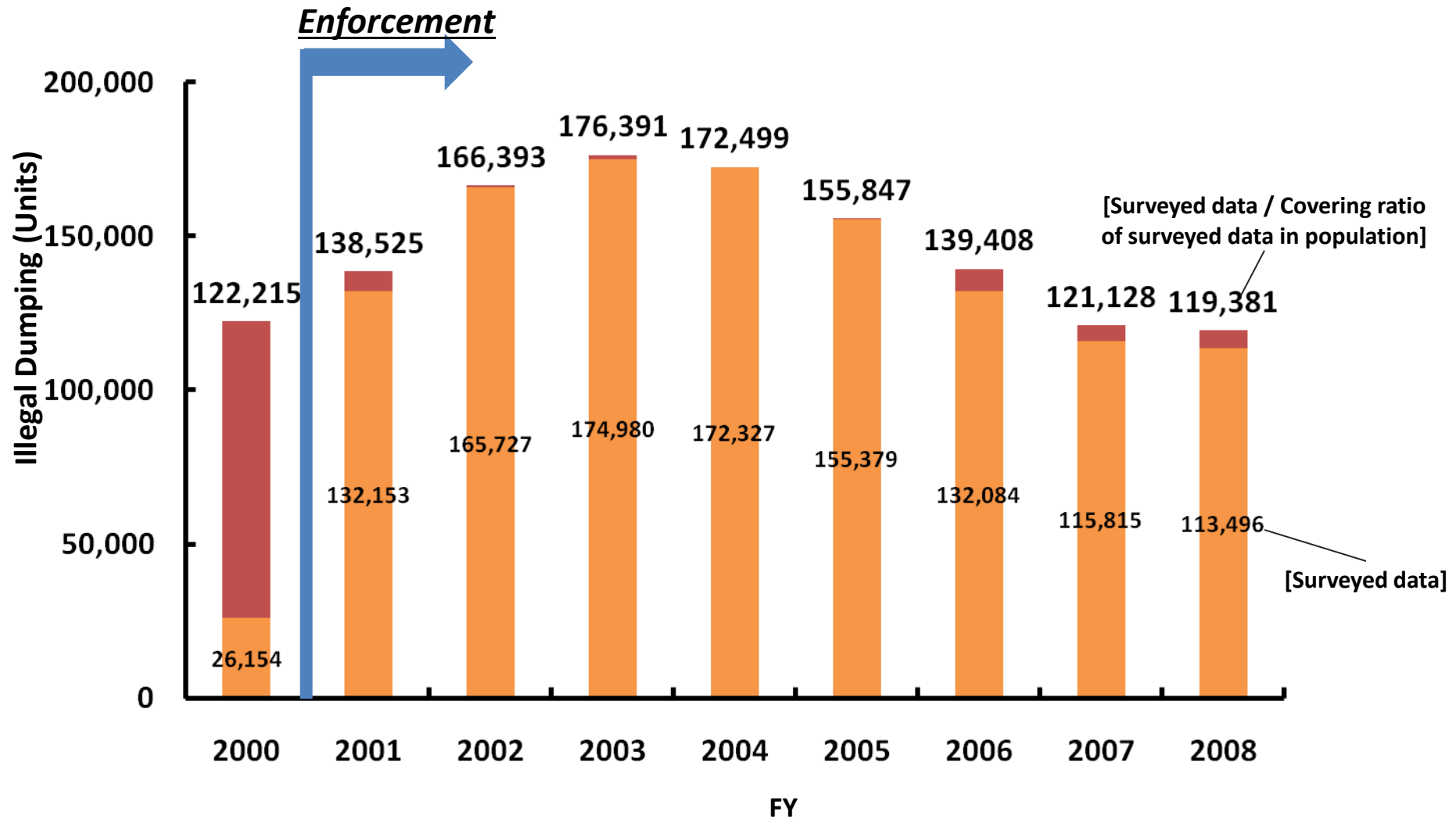


Statistical Data

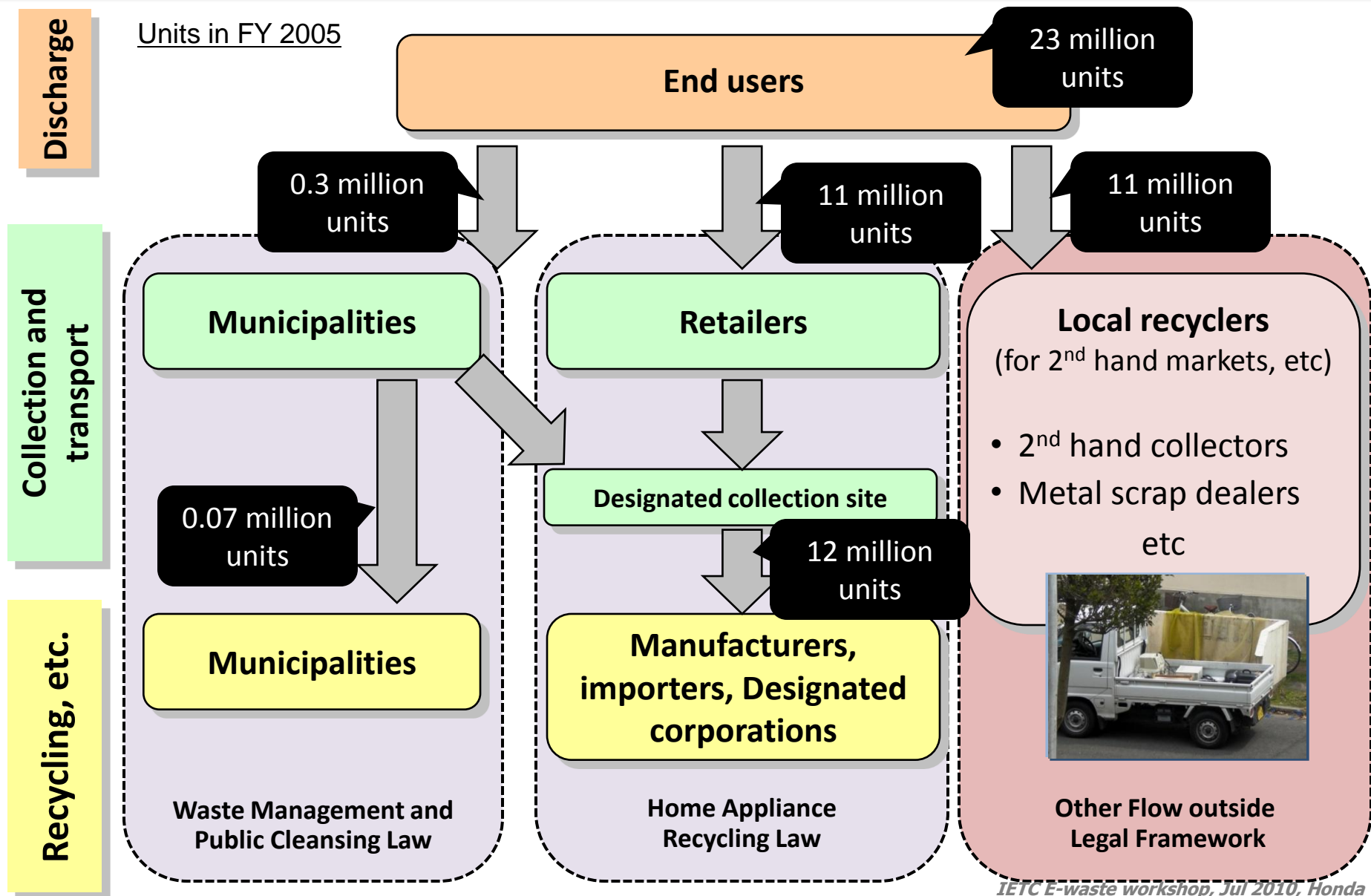


Illegal Dumping Cases

- CRT TV Sets, Washing Machines, Air Conditioners, Refrigerators -



Flow of Waste Home Appliances



Review of the Law

- Evaluation after 5 years-enforcement -

Enforcement results

Accomplishment

Actual recycling rate (74%) >
Target recycling rate (50-60%)

Residual time of landfill sites:
12.8 years → 14.8 years

Problems

- Flow outside the Law
- Higher/uniform recycling fee
- Illegal dumping

Issue of payment

- whether to change deferred payment to pre-payment? -

Concerns of recycling fee before 2001

- Uncertainty recycling cost
- Expectation of recycling cost down by economic-driven activities



Deferred payment

Opinions in 2006

- Achievement to high recycling rate
- Need provisions for each problem



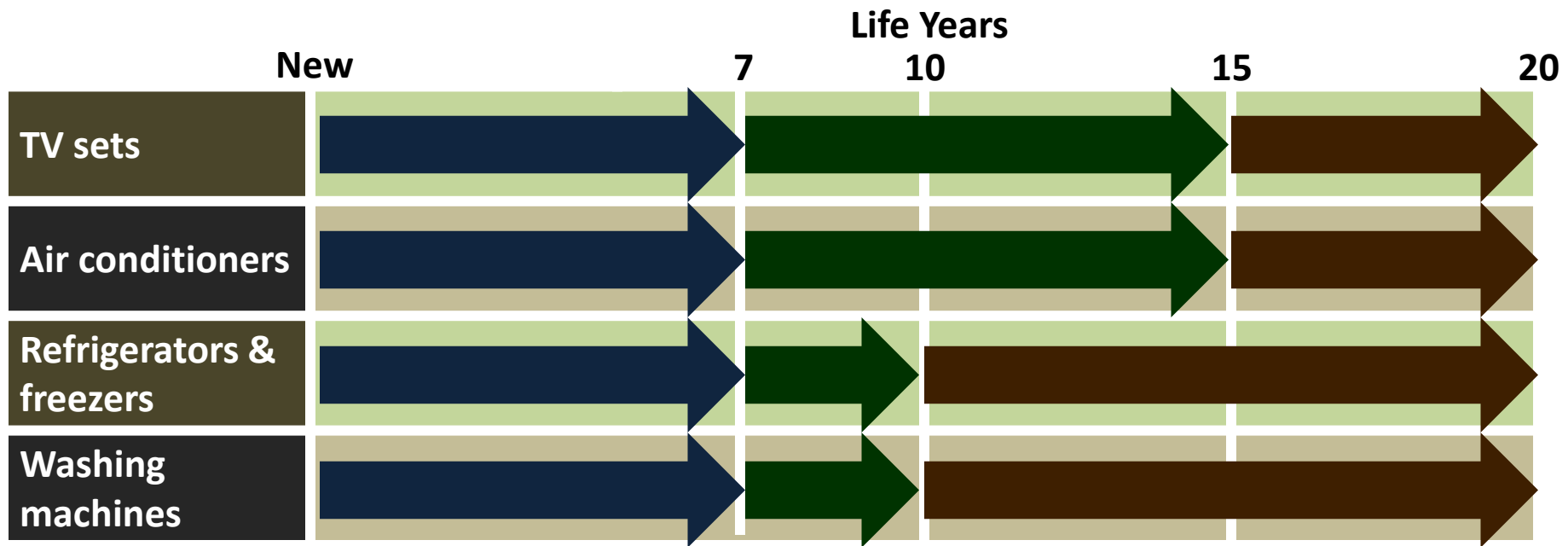
Keep the payment; but need improvement



Provisions for Each Problem

	Transparency/user friendly mechanism
1	<ul style="list-style-type: none">• Transparent recycling fee• Recycling cost down by economic-driven activities
	Appropriate transportation to recycling facilities
2	<ul style="list-style-type: none">• Strengthening appropriate transportation
	Prevention of illegal dumping
3	<ul style="list-style-type: none">• Strengthening regular monitoring, collaboration among stakeholders
	Promotion of a sound-material-cycle society: 3R
4	<ul style="list-style-type: none">• Promotion to collect 2nd hand products• Strict enforcement of the Basel Convention

UEEE/WEEE Guidelines



PCs and other UEEE/WEEE

Law for Promotion of Effective Utilization of Resources

To promote businesses to utilize resources

To collect PCs, small devices, secondary batteries, etc for recycling

PCs

Pre-payment by first users/
Deferred payment by end users

Users → Postal Offices → Facilities

Mobile phones, etc

Voluntarily (EPR)

Users → Collection boxes → Facilities

