

TMG' s Policy toward E-wastes Recycle and Appropriate Treatment

Municipal Relations, Sustainable Materials
Management Division, Bureau of Environment,
Tokyo Metropolitan Government

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Outline

1. Introduction —About Tokyo—

(1) City Profile

(2) Role of TMG on Waste Management

2. TMG's Policy —e-waste Management—

(1) Planning and Coordinating 3Rs Policy

(2) Financial and Technical Support for Municipalities

(3) Administrative Guidance to Industrial Waste Treatment Companies

City Profile①

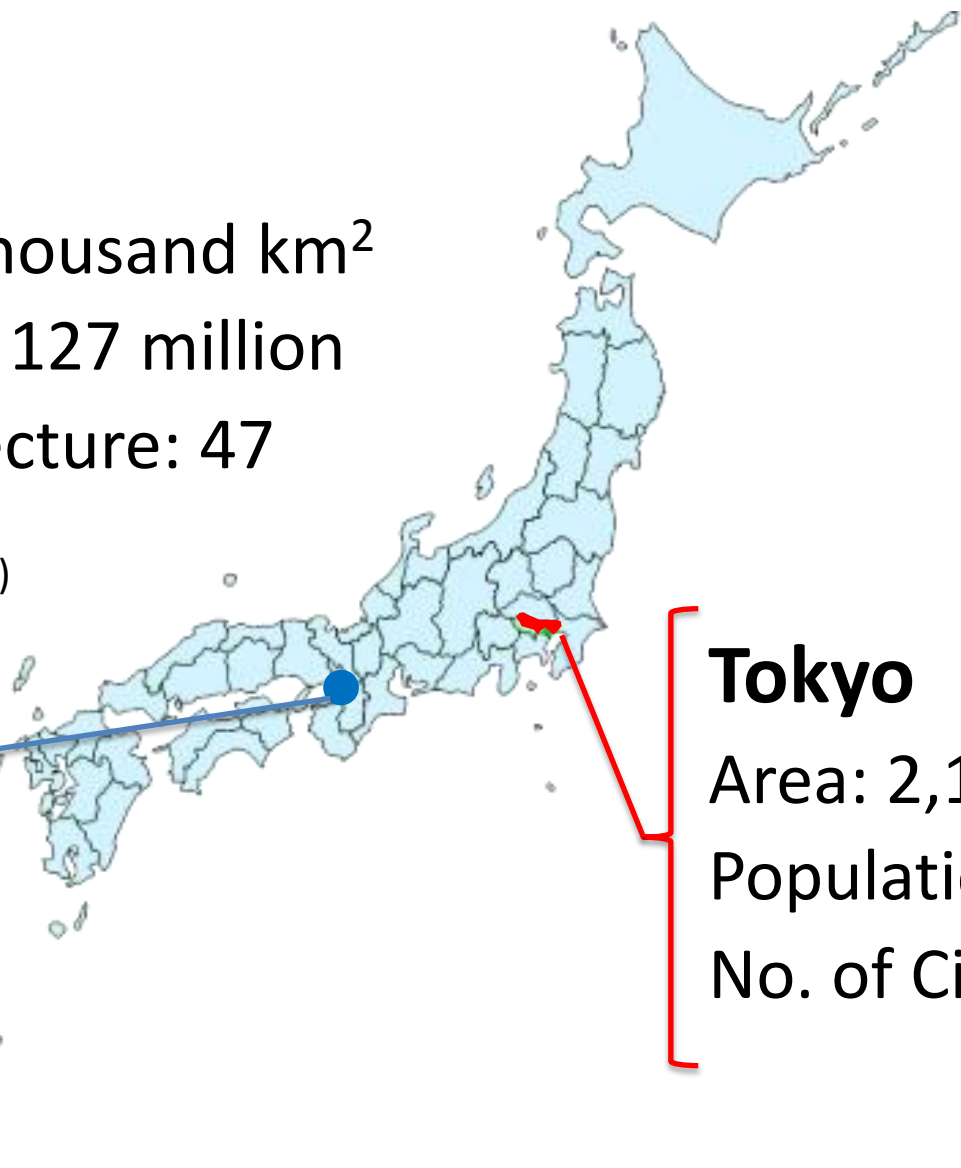
Japan

Area: 378 thousand km²

Population: 127 million

No. of Prefecture: 47

(as of March 1, 2016)



Osaka
(We are here)

Tokyo

Area: 2,188 km²

Population: 13 million

No. of City: 62

(as of March 1, 2016)

City Profile②

Suburban area

“Tama area”

Area: 1,160 km²

Population: 4,224,433

No. of municipalities: 30



Central area

“23-city area”

Area: 627 km²

Population: 9,256,625

No. of municipalities: 23



Island area

“Izu/Ogasawara islands”

Area: 404 km²

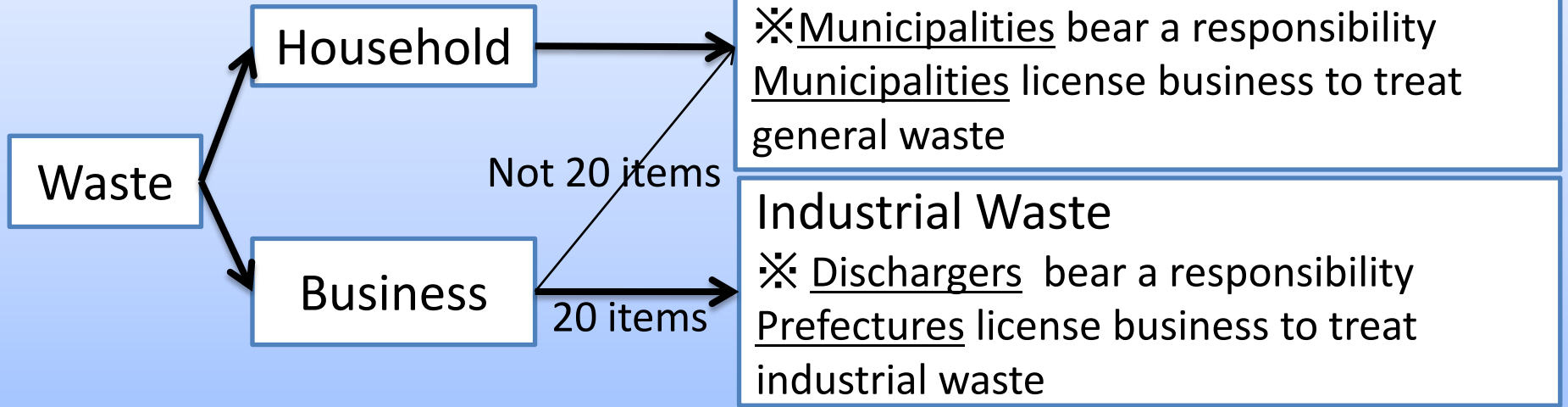
Population: 26,289

No. of municipalities: 9



Role of TMG regarding Waste Management

Classification of Waste



TMG's Responsibilities

Reference : Tokyo Metropolitan Organization Rules

Planning and Coordinating 3Rs Policy in Tokyo

Financial and Technical Support for Municipalities

Administrative Guidance to Industrial Waste Treatment Companies

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Model Project — Collection of Small Electronic Devices from Business —

Summary

○E-waste from business is classified as industrial waste. Small companies are suffering from e-waste treatment because the fewer they are, the more it relatively costs to treat them considering economies of scale.

○Small electronic devices from home can be transported by postal services because DOE gives certification to some companies. TMG & a waste treatment company cooperated to expand this model to e-wastes from business in Tokyo.

Outcome (Number of Collection (FY2015))

| PC | Cell Phone | Other | Sum |
|--------|------------|-------|--------|
| 12,468 | 1,192 | 7,129 | 21,016 |



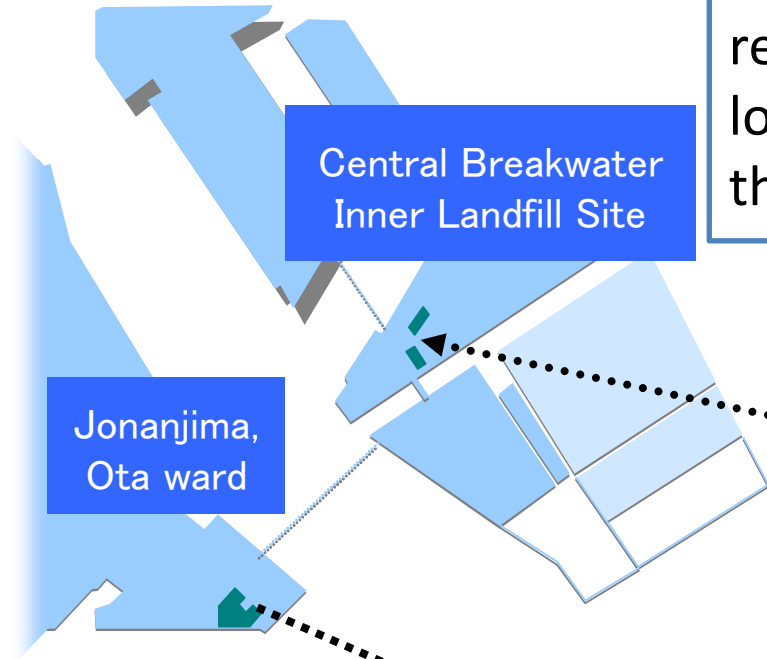
✳About Model Project

TMG advertised for business who can contribute to the following policies.

- ①Reduction of Resource Loss
- ②Promotion of Eco-Material Use
- ③Promotion of Further Circular Use of Waste

List of Recycling Facilities in Tokyo Super Eco Town

Super eco town is an area where 10 recycle and waste treatment facilities are located. TMG encourages construction of them and aims for sustainable society.



PCB Waste Treatment

Waste to Energy
(Waste Fuel Electric Power
Generation Plant)

Waste to Energy
(Biogas Power Generation
from Food Waste)

Construction and Demolition Waste

Debris and drilling mud

Buried waste
(buried before the establishment of waste mgt law)

E-Waste

Food Waste

Waste tile carpet

Cooperation with Municipalities

Tokyo & Municipalities Conference for Sustainable Resource Management in the Future

- Olympic game will be held in Tokyo in 2020. TMG and municipalities are seeking a further cooperation for sustainable use of resources by taking this opportunity.
- Discuss how to manage final disposal site sustainably.

Suburban Area Waste Management Conference

- Share information with Tama municipalities
- Discuss problems

Island Area Waste Management Conference

- Share information with Island municipalities
- Discuss problems

Support for Municipalities

- Hold a Workshop for Municipalities
 - to Learn Related Laws
 - to Learn How to Conduct an Administrative Guidance



National Legislation

Basic Act for the Sound Material-cycle Society

Effective Resource
Utilization Act

Waste Management
Act

Containers & Packaging Recycling Act

Home Appliance Recycling Act

Construction & Demolition Waste Recycling Act

Food Waste Recycling Act

End-of-Life Vehicle Recycling Act

Small Electronic Devices Recycling Act

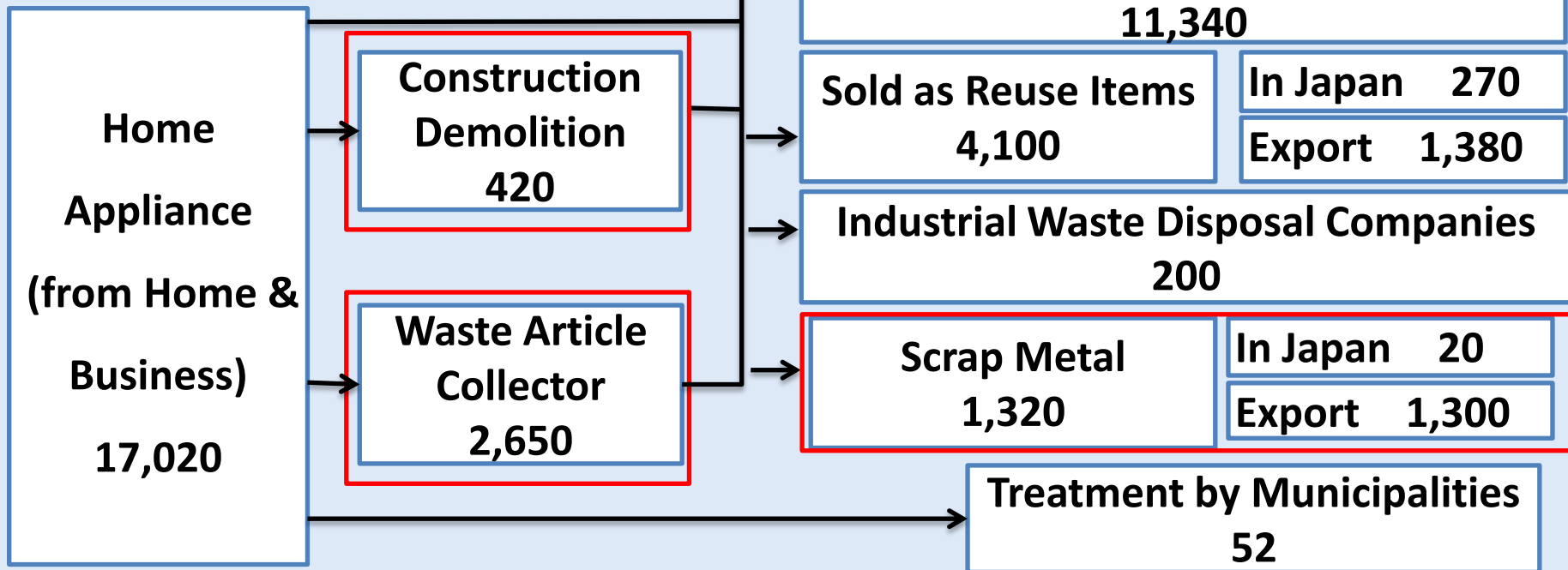
- Conduct an On-site Inspection with Municipalities

Inspection to Inappropriate Treatment Sites

Home Appliance Treatment Flow Chart (FY 2012)

(Thousand items / year)

※ Home Appliance : Air Conditioner, TV, Refrigerator & Cloth Washer



Reference: DOE (Omit Some Data)

: Possibility of Inappropriate Treatment

TMG has been conducting on-site inspections for appropriate treatment of these items.

Number of Inspection (FY 2016)

| C&D | WAC & Scrap Metal |
|-----|-------------------|
| 840 | 543 |

Improper Construction & Demolition



Stockyard of an Illegal Waste Article Collector



Illegal Treatment of Scrap Metal



Revocation of a Permission

報道発表資料 [2015年2月掲載]

ツイート

産業廃棄物処理業者に対する行政処分について

平成27年2月26日
環境局

東京都は、本日付けで産業廃棄物処理業者1者に対して、廃棄物の処理及び清掃に関する法律(以下「廃棄物処理法」という。)に基づき、下記のとおり許可取消しの行政処分を行いましたのでお知らせします。

記

TMG revoked a permission of an industrial waste disposal company because it collected waste from household illegally.

Toward 2020, and further future

The Tokyo Organizing Committee of the Olympic and Paralympic Games is conducting **the Tokyo 2020 Medal Project** to manufacture the medals given at the Games from consumer electronics such as used mobile phones. As this project will be a stimulus to change people's thinking and create a more sustainable society, TMG has been cooperating with this project.

