



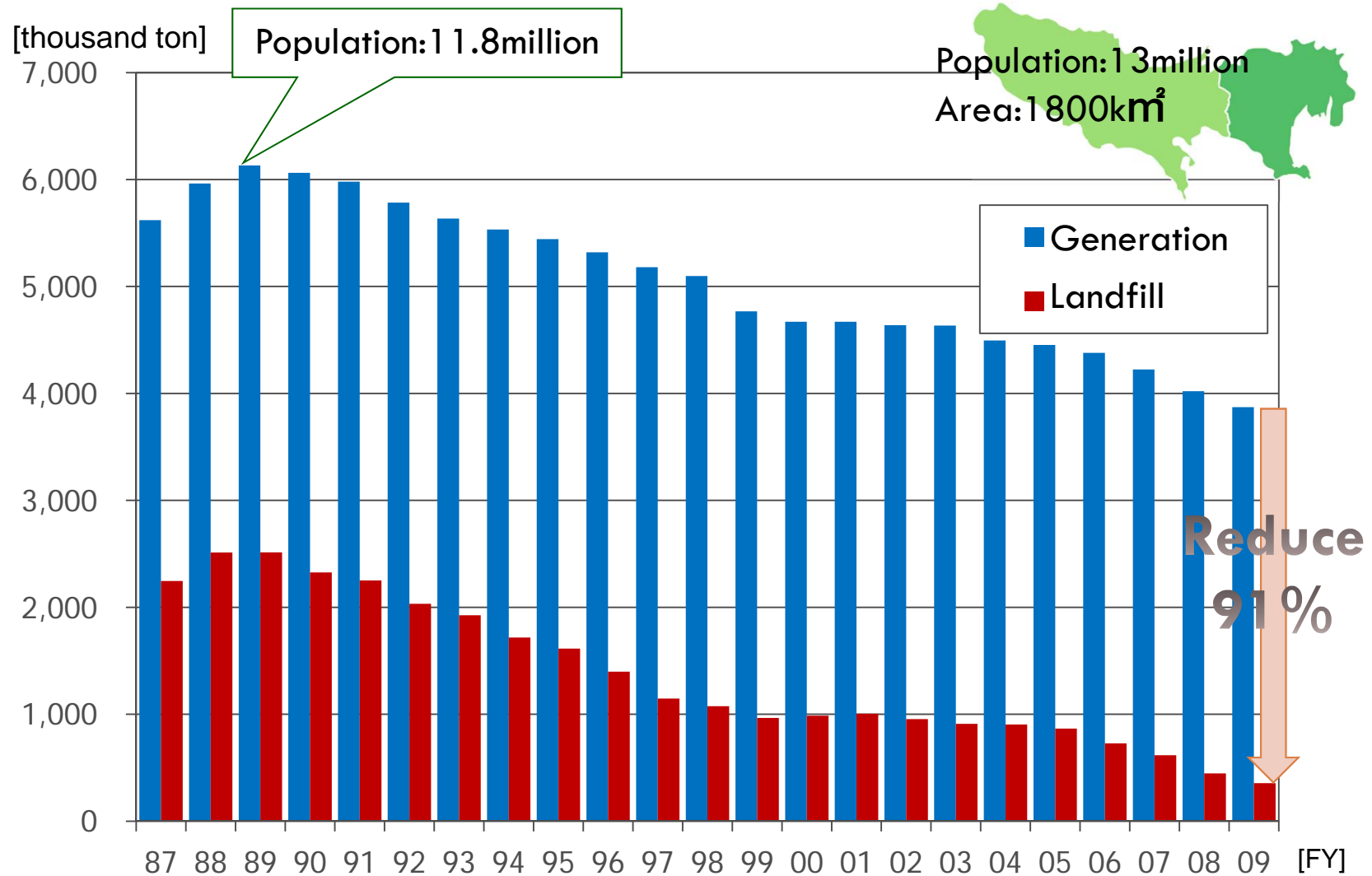
WASTE MANAGEMENT AND RECYCLING IN TOKYO

Naoki TAKIYA

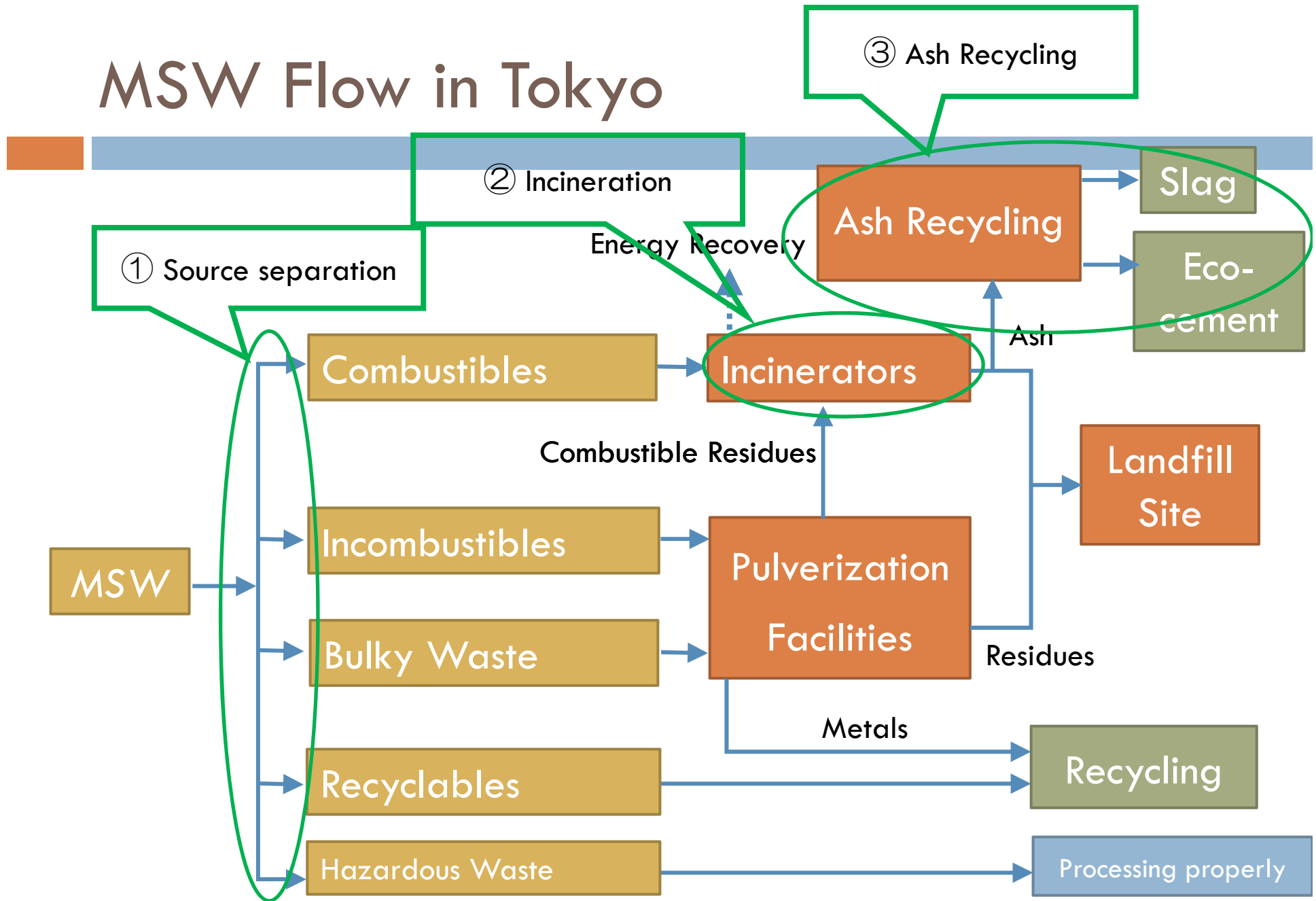
Resource Recycling Promotion Section
Waste Management Division
Bureau of Environment

Amount of MSW in Tokyo

2



MSW Flow in Tokyo



① Source Separation

4



Combustible Waste

- Food waste
- Wood
- Textile



Incombustibles

- Pottery
- Glass
- Metals



Bulky Waste

- Furnitures
- Bicycle



Recyclables

- Used paper
- Bottles & Cans
- PET bottles

② Incineration

5



Source: Clean Association of TOKYO23

Shibuya incineration plant

- next to Shibuya Station

(2.1 million passengers/day)

Toshima incineration plant

- next to Ikebukuro Station

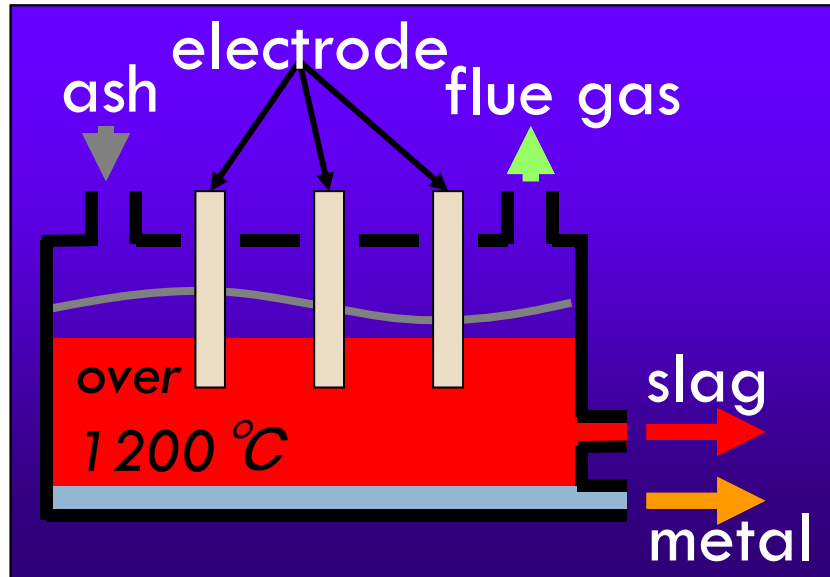
(2.7 million passengers/day)



Source: Clean Association of TOKYO23

③ Ash Recycling: Slag

6



Aggregate for asphalt

Aggregate for concrete



Asphalt pavement



Concrete products

③ Ash Recycling: Eco-cement

7

Combustible Waste



Incineration Plant

Bottom Ash



Fly Ash



Eco-cement Facility



Limestone etc.



concrete



FY2007
Combustible Waste
600,000ton
↓
Incineration Ash
80,000ton
↓
Eco-cement 120,000ton

Strategy for the Sustainable Use of Resources

8

Existing resource use

Integrated strategy for the cyclical use of resources

Sustainable resource use

Reducing natural resource
Reducing final waste disposal
Reducing GHG emissions

30% Reduction as of 2015 compared with 2007 levels

Reducing the extraction of natural resources
-Cyclical use of metals



Recycling small size e-waste



Development of Urban Mining

Establishment of E-waste Recycling System



Picking up e-waste and recyclable materials from incombustible waste



Manual Dismantlement of Digital Cameras

11



Mechanical Dismantlement (Tokyo Super Eco-town)



Shredded and separated
substrate



Shredded and separated
nonferrous metals



Thank you!

Rainbow Bridge

