

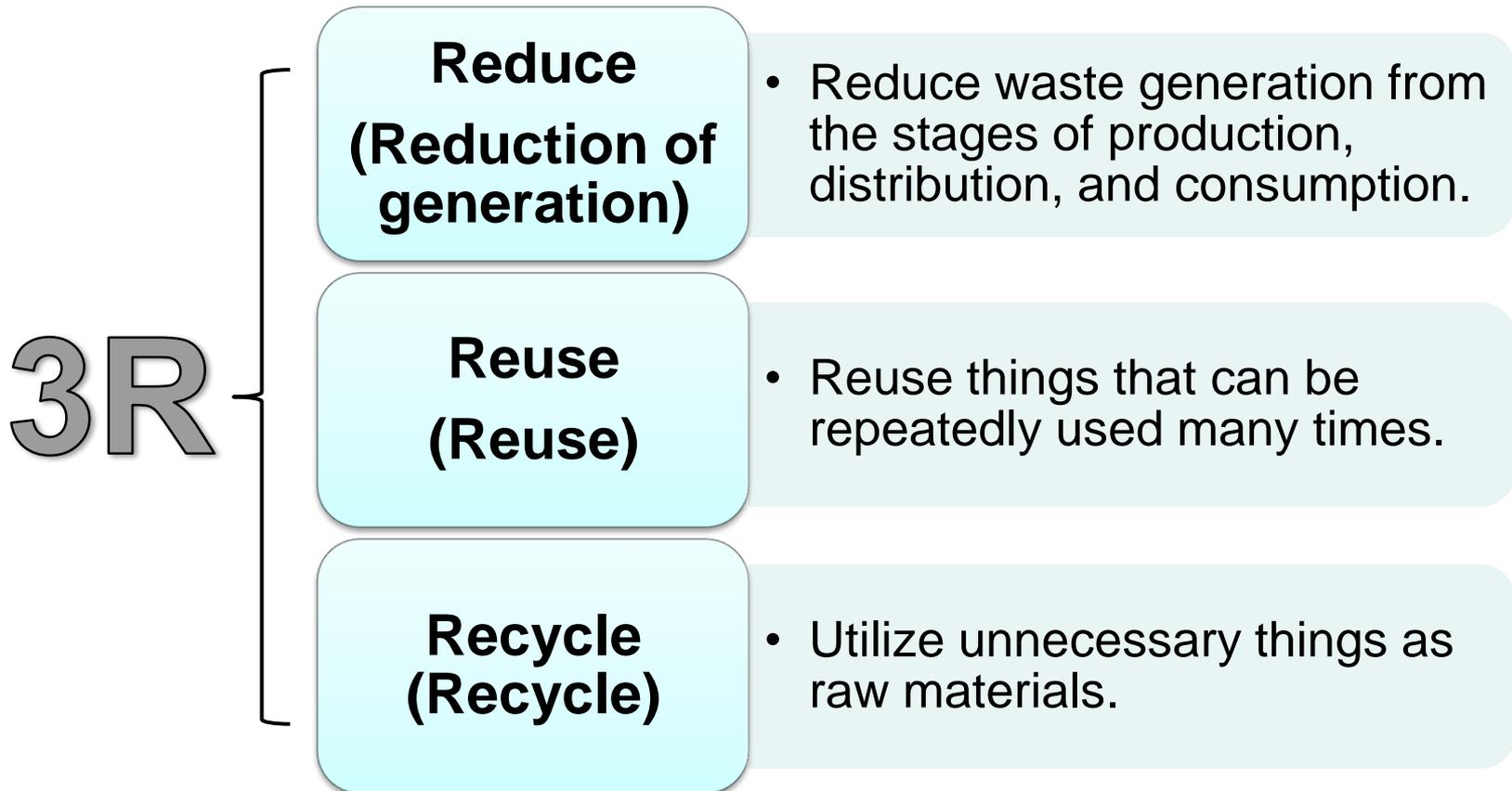
Osaka City Initiatives on Promotion of 3R and E-Waste Recycling



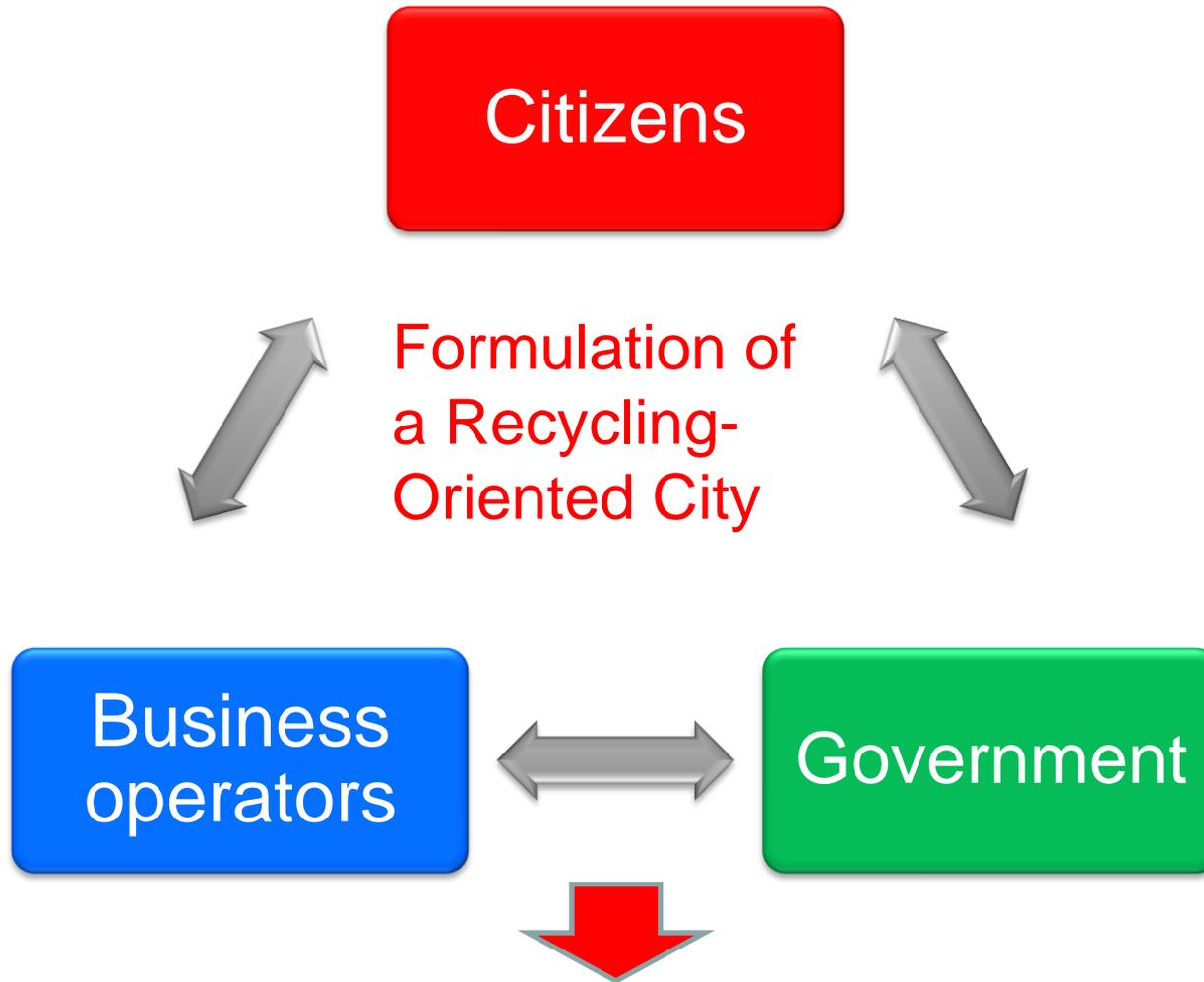
Osaka City Government

Reduction of Waste and Efficient Use of Resources

- Priority for waste disposal under the Basic Law for Establishing a recycling-oriented Society



Network of Citizens, Business operators and Government



Action Plan for Reduction of Waste

Action Plan for Reduction of Waste

⇒ Action menu in practicing the 3R

-Citizens, business operators, Osaka City-

Three scenes in life

1. When shopping
2. In daily life
3. In order to utilize things that are no longer necessary



「生ごみ“3きり”運動」に取り組もう！

「使いきり」 食材は無駄なく使いきりましょう

ポイント！

- ✓ 「冷蔵庫をチェック」…定期的に冷蔵庫の食材をチェックし、賞味・消費期限切れになる前に使いきる。
- ✓ 「買いすぎない」…買い物に行く前に、冷蔵庫等の在庫をチェック。使いきれぬ、必要な分だけ購入。
- ✓ 「アレンジして使い切る」…余ったおかずもアレンジして食べきる。



「食べきり」 料理は残さず食べきりましょう

ポイント！

- おうちでは…
- ✓ 料理は食べきれぬ量だけ作り、残さず食べる。
 - ✓ 食べきれなかったときは、冷蔵・冷凍で保存する。
- 外食時は…
- ✓ 食べきれぬ分だけ注文し、残さず食べる。



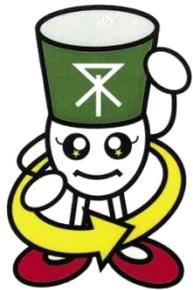
「水きり」 ごみに出すときは水気をきりましょう

ポイント！

- ✓ 「濡らさない」…野菜などの使えない部分は洗う前に切り落とす。
- ✓ 「水きりをする」…生ごみを普通ごみに出す前に「ぎゅっ」と一絞り。
- ✓ 「乾燥させる」…茶殻、コーヒー、果物の皮は一晚おいて乾燥させる。



Osaka City's Promoter of Waste Reduction, etc.



Role of Waste Reduction Promoter

- ① **Dissemination and raising awareness regarding reduction of waste
(Utilization of the action plan for reduction of waste)**
- ② **Promotion of reuse and recycling activities
(Resource group collection, etc.)**
- ③ **Promotion of waste that are put out for sorted collection**
- ④ **Provision of information, etc. concerning waste reduction and recycling, and other matters**
- ⑤ **Promotion of efforts for beautification activities**



Home Appliance Recycling

1. What is the Small Appliances Recycling Act

- There is an urgent need to recover the usable metals contained in used small appliances that are being disposed in landfills rather than being recycled.
- From the perspective of taking measures to promote recycling and securing the proper disposal of waste and effective use of resources, the Act on Promotion of Recycling of Small Waste Electrical and Electronic Equipment (Small Appliances Recycling Act) was established and put into effect on April 1, 2013.



Responsibility of Municipalities

Sorted waste will be collected and delivered to “certified business operators” certified by the country.

Municipalities will determine the collectable items and method of collection in line with the current conditions.

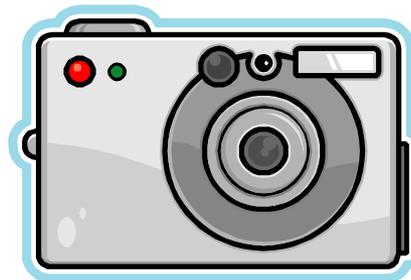
Certified Business Operators

By creating a recycle plan, operators may apply to be certified by the country.

Certified business operators will recover and recycle metals that may be of use.

2. Items Eligible for the Small Appliances Recycling Act

- Most appliances used in the average household are applicable, with the exception of television sets, air conditioners, refrigerators, and washing machines which are applicable under the Home Appliance Recycling Law.
- National guidelines stipulate items that should be recycled because they include recyclable resources and are easy to sort, and municipalities and consumers do not need to pay fees for the waste disposal of such “designated items” in standard cases. (mobile phones, digital cameras, portable music players, game consoles, etc.)

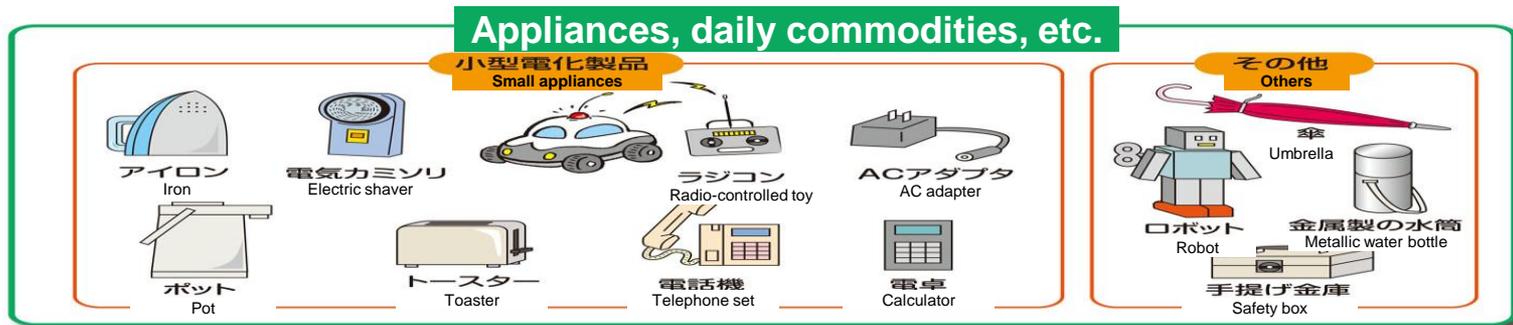


3. Osaka City's response for recycling of small appliances

(1) Before enforcement of the Small Appliances Recycling Act

Enforcement of collection of small metals (from Oct. 2011)

Items to be collected



Method of collection

Declaration system (door-to-door visit collection)

(2) After enforcement of the Small Appliance Recycling Act

Collection of used small appliances at fixed locations (from Dec. 2013)

Issues

- ◆ Since the amount of small appliances wasted is small in quantity, cost-effectiveness should be fully taken into consideration.
- ◆ It is required to take personal information protection measures.



Started from	December 2013
Method of collection	Collection by installing special collection boxes at 42(currently 40) locations inside the city
Collection locations	○ Ward offices, ward office-related facilities, and city hall: 31(currently 29) locations ○ Environmental business centers: 11 locations
Items to be collected	Used small electricity/battery-driven appliances which can be put into the mouth of a collection box (15 cm × 30 cm). [Designated items specified in the guidelines] e.g.) Mobile phone terminal, PC (including tablet type terminal device), digital camera, video camera, portable music player, USB memory, game console, car navigation system, etc.
Actual performance of collection [Preliminary result]	2013 fiscal year(from December to March): 6,500 kg 2014 fiscal year: 12,300 kg 2015 fiscal year: 13,500 kg 2016 fiscal year: 12,690 kg



都市鉱山からつくる！ みんなのメダル プロジェクト

あなたの携帯電話や
小型家電が
メダルに生まれ変わる！

東京 2020 オリンピック・パラリンピックの約 5000 個の金・銀・銅メダルを全国各地で集めた携帯電話や小型家電から抽出したリサイクル金属でつくるプロジェクト。

東京 2020 をきっかけに、より資源を活かす、さらに持続可能な社会へ。みんなの思いがこもったメダルを東京 2020 のアスリートに届けましょう！

あなたの思いが メダルになる過程をお知らせ

プロジェクトへご参加いただいた皆様へ

ご参加ありがとうございます。

メダルが完成するまでの製作過程や特別メッセージを年に数回メールでお届けします。

ご希望の方は右記専用ページから [TOKYO 2020 ID] にご登録いただき、

メダル情報希望欄へのチェックをお願いします。

詳細はこちらから



2020 メダルプロジェクト

検索

<https://tokyo2020.jp/jp/games/medals/project/>

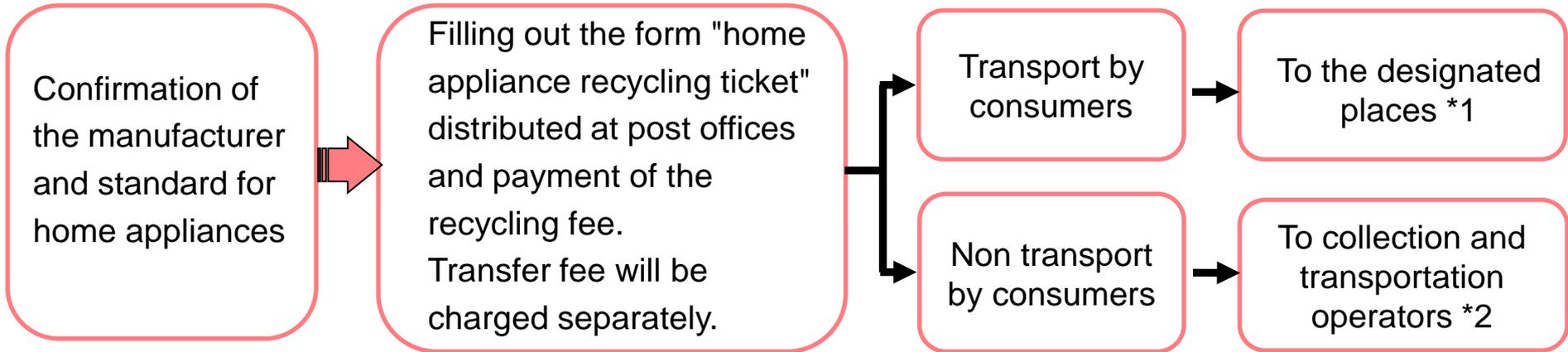
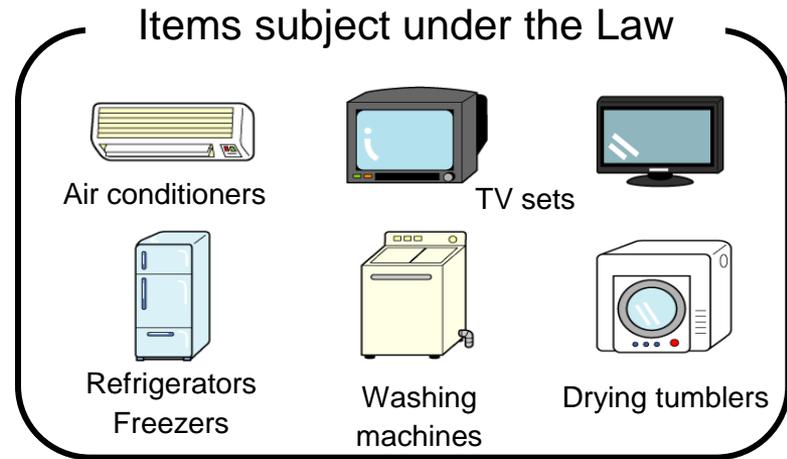
4. Recycling method in Osaka City based on Appliances Recycle Law

① Exchanging of items subject in the Home Appliance Recycling Law ,in the case of comprehending purchase store



Retailers must undertake old items. Consumers need to ask collection of the items to retailers.

② In the case of uncomprehending purchase store



*1 Designated places

..... 6 sites (3 sites in Osaka City, 3 sites in neighboring cities)

*2 Operators

..... 29 operators licensed by Osaka City Government (As of 1 September 2017)

City–City Collaboration Projects in Asian Cities



Ho Chi Minh City
Vietnam

- Support of low-carbon city development
- Development of food waste recycling loop with Pilot Model Plant



MOU exchanging
in September of
2016



Quezon City
Philippines

- Support of low-carbon city development



Training in Osaka City



Incineration factory
Site visit



Penang state
Malaysia

- Expanding use of mercury-containing waste treatment technologies



**Thank you for your
attention.**