Market Study Report on the Recycling of Used Plastic Bottles (Points)

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The market study was conducted in light of the changes and diversification of distribution channels, including the high recycling rate of 86% for plastic bottles and the spread of initiatives known as 'Bottle-to-Bottle' as part of efforts to realize a green society.

Overview of Transactions

Containers and Packaging Recycling Law

· Recycling obligations for businesses that use or manufacture containers and packaging (Extended Producer Responsibility)

Beverage Consu manufacturers Household mers discharge (Sale in Pla

plastic bottles (Collected by <u>nousehold</u> (Discharg municipalities)

Sorted collection **1** Designated Juridical Person(JCPRA) Route (About 2/3 of total amount)

Transfer Contracts

2 Independent Root (About 1/3 of total amount)

Transfer

the Japan Containers and Packaging Recycling Association (JCPRA)

Recyclers



No designation of use after recycling



Recommercialization

Possible to designate use after recycling, e.g. Bottle-to-Bottle

Plastic bottles)

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Economic Price under JCPRA route: Better quality tends to have higher price.

Analysis Price under Independent route: Price tends to be higher when the method of determining the contract partner recycler is competitive.

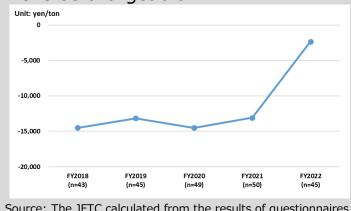
Business Discharge (Collected by business)

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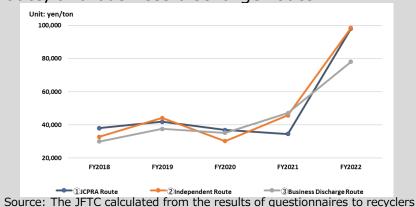
- Obligation to dispose of properly as industrial waste Management (Waste and Public Cleansing Act)
- While some say that it is difficult to have them taken back as valuable resources, others say that the price is increasing due rising demand.

 Price to industrial waste disposers is reverse chargeable.



Source: The JFTC calculated from the results of questionnaires to businesses that use or manufacture plastic bottles

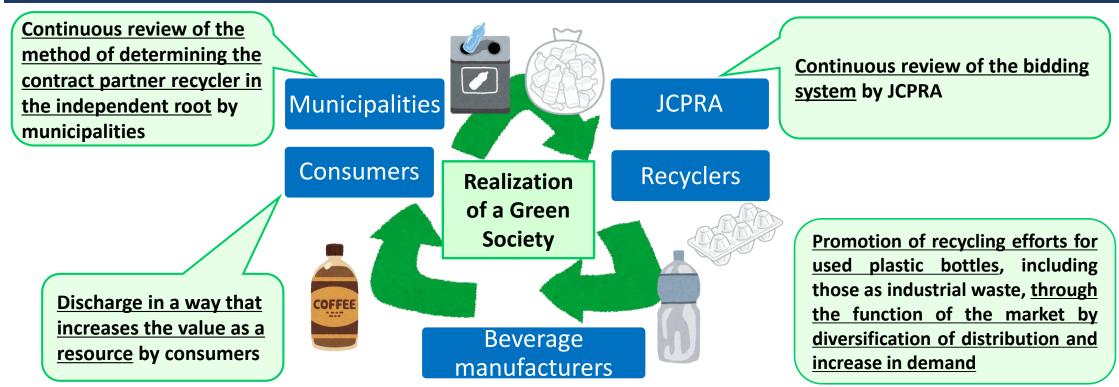
· No significant difference in purchase price for recyclers between JCPRA route, the Independent route, and business discharge route



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Proposals from the Competition Policy



Matters to be noted and actions that may cause problems under the Antimonopoly Act (AMA)

- There may be a misunderstanding in some municipalities as if no longer using the JCPRA root is considered problematic under the Container Recycling Law.
- With the effect to discourage or restrict the use of the independent root, a problem under the AMA may possibly arise.
 JFTC communicated the above to JCPRA.
- <u>Japan Soft Drink Association(JSDA)</u>, business associations
 of beverage manufacturers, <u>decided that its member would</u>
 not encourage the municipality to use the independent root.
- Since this could cause problems under the AMA depending on subsequent circumstances, <u>JSDA</u> rescinded the decision in September 2023.

Future Commitment of the JFTC

- The AMA and Competition policy contribute to the realization of a green society from the perspective
 of encouraging the efficient use of resources and triggering innovation in new technologies by
 promoting competition among businesses.
- The JFTC will continue to implement initiatives aimed at encouraging the realization of a green society, and will closely monitor developments in this field and take strict action if there are any violations.