Supplementary Data

Innovating collection modes for waste electrical and electronic equipment in China

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Supplementary Content

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- Table S1 **Questions of interview for different WEEE recycling entities**
- Main questions in the questionnaire

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Table S1

Questions of interview for different WEEE recycling entities

WEEE recycling entities	Questions
EEE manufacturers	Do you recuperate your product?
	If you collect your end-of-life equipment, what price do you pay for it?
	From where does that equipment come?
	How do you handle the collected equipment?
	Which advantages do you find in recuperating the equipment?
	Are you in favor of the “Old for New” practice?
	What do you think is a problem in relation to the recuperation of those materials?
	Would you please suggest how those materials could be managed?
WEEE collectors	How do you collect the waste equipment?
	From where does that equipment come?
	To whom do you sell it?
	What price do you pay for it?
	What price do you sell it?
	How did you get information about those buyers?
	Which conditions do the equipment you collected?
	Do you know the health and environment impacts caused by the waste equipment that isn’t correctly handled?
	What do you think is a problem in relation to the collection of those materials?
	Would you please suggest how those materials could be managed?
Dismantlers and disposers	From where does that equipment come?
	What price do you pay for it?
	How do you deal with the waste equipment?
	Which conditions do the equipment you got?
	What technology do you adopt ?
	What treatment facility do you use?
	Do you know the health and environment impacts caused by the waste equipment that isn’t correctly handled?
	What do you think is a problem in relation to the collection of those materials?
	Would you please suggest how those materials could be managed?

Main questions in the questionnaire of the public survey on WEEE collection

1. **Do you know WEEE can result in environmental pollution and damage on human bodies?**

   A. Yes, exactly B. Yes, a little C. No D. Barely care

2. **Have you received publicity on prevention and control of WEEE pollution?**

   A. Yes, usually B. Yes, often C. Yes, sometimes D. Never

3. **Will you respond to such publicity actively?**

   A. Yes B. No

4. **1) How many EEE are there in your HOUSEHOLD? 2) How many of them are idle? If your household does not own such kind of EEE, please fill in the corresponding blank with '0'. 3) How long is the service life of certain end-of-life EEE? Please choose the recent serving period if there is more than one unit for each category. Leave it blank if there has been no such kind of end-of-life EEE in your household.**

	Ownership (unit)	Idle number (unit)	Service life (year)		Ownership (unit)	Idle number (unit)	Service life (year)
Mobile phone				**Air conditioner**			
Camera				**Refrigerator**			
Desktop				**Television**			
Laptop				**Washing machine**			
Tablet PC							

5. **How does your household dispose of the following kinds of EEE? Please specify the method adopted by your household and the preferred disposal method respectively (assuming all of the following choices are available).**

   A. To practice the "Old for New"
   B. To sell to private traders
   C. To sell to second-hand stores
   D. To sell to after-sales repair stations
   E. To give to others as presents
   F. In idle
   G. Others (including discard randomly, sell to classified recovery stations, etc.)
   H. No experience (only for method **adopted**)

	Adopted	Preferred		Adopted	Preferred
Mobile phone			**Air conditioner**		
Camera			**Refrigerator**		
Desktop			**Television**		
Laptop			**Washing machine**		
Tablet PC					

6. **Do you know how to find a formal collector or recycling station?**

   A. Yes B. No

7. **Which is the most important factor considered when you select a private trader?**

   A. Price B. Convenience
   C. Familiarity D. Formal treatment E. Others: _____

8. **Are there any WEEE recycling stations nearby?**

   A. Yes B. No C. Haven't heard of it.

9. **Which is the most important factor considered when you select a recycling station?**

A. Price B. Transportation

C. Formality D. Green treatment E. Others: _____

10. Do you know waste trading market online such as ZZ91?

A. Yes B. No

11. Who do you think should take the main responsibility for WEEE recycling?

A. The government B. Producers C. Recycling enterprises D. Consumers

12. Which one do you think is the most important way to restrain WEEE pollution?

A. To perfect legislation

B. To take strict control over WEEE import

C. To enhance public education on environmental protection

D. To consummate WEEE recycling system and explore technology for green treatment in recycling enterprises

13. Which is the most important factor considered when you practice the "Old for New"?

A. Price B. Durability

C. Formality D. After-sale service