

# The Current Situation and Strategies of Urban Mining in Taiwan



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**Resource Recycling Fund Management Board**

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**創新 · 進取 · 專業**

# Characteristics

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**Asking by Law**

**Government Involved**

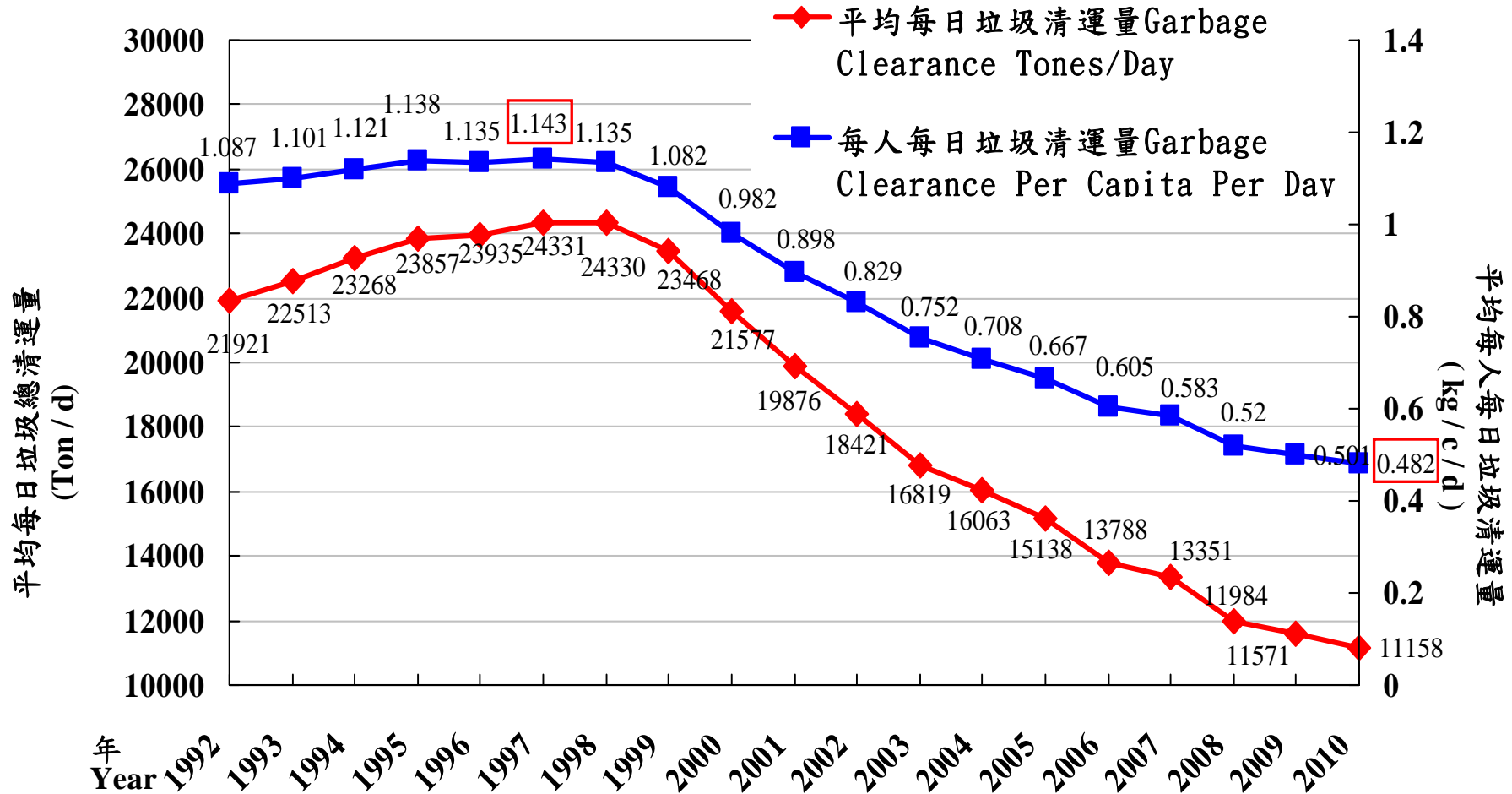
**Producer's Responsibility**

**Whole People Participate**

**Charge/Subsidize**



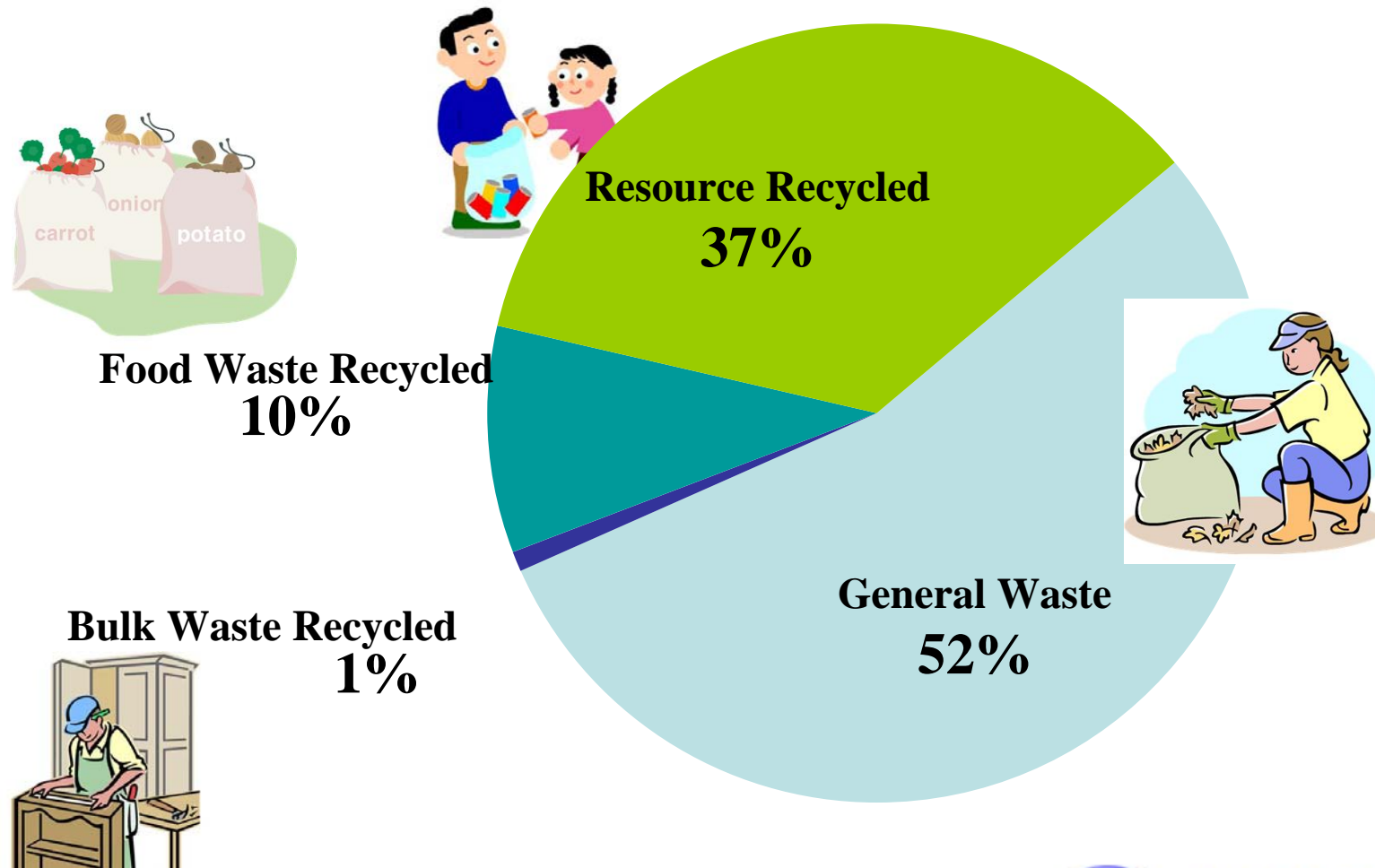
# MSW Clearance



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# MSW Sorting



## Municipal Solid Waste Sorting in 2010

# Resource Materials Collecting Ways

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**Recyclable Waste Recycled by  
Local Authority**

**Mandatory Recycling Waste**

**Industries and Manufactories**



# 4-in-1 Resource Recycling Program



# Recyclable Waste Recycled by Local Authority

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- Paper
- Iron
- Aluminum
- Glass
- Plastic
- CDs
- Cell Phone & Charger



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# Mandatory Recycling Waste

1. Iron container



2. Aluminum container



3. Glass container



4. Paper container



5. Plastic container



6. Pesticide container



7. General battery



8. Automobile\Motorcycle



9. Tire

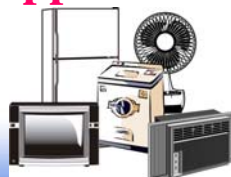


10. Lead-acid battery

12. Electronics IT object



13. Household appliance



14. Fluorescent lamp



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# Metals in Recycled Waste

Ton/yr

		Household			Industry		
		Quantity	Metal		Quantity	Metal	
<b>Recyclable Waste Recycled by Local Authority</b>	<b>CDs</b>	<b>1,738</b>	<b>Al,Ni</b>	<b>52</b>	<b>10,856</b>		<b>325</b>
	<b>Cell phone &amp; Charger</b>	<b>344</b>	<b>Au,Ag,Al,Cu, Fe,Pt,Sn</b>	<b>39</b>			
	<b>Other Metals</b>	<b>493,754</b>		<b>493,754</b>		<b>Al,Cu,Sn,Zn</b>	<b>22,114</b>
						<b>Fe</b>	<b>142,759</b>
<b>Mandatory Recycling Waste</b>	<b>Iron Container</b>	<b>47,532</b>	<b>Fe</b>	<b>41,950</b>			
	<b>Aluminum container</b>	<b>5,989</b>	<b>Al</b>	<b>341</b>			
			<b>Al</b>	<b>5,989</b>			
	<b>Automobile/ Motorcycle</b>	<b>176,835</b>	<b>Fe</b>	<b>124,340</b>			
			<b>Al</b>	<b>1,476</b>			
			<b>Cu</b>	<b>57</b>			
	<b>Lead-Acid Battery</b>	<b>37,908</b>	<b>Pb</b>	<b>29,960</b>			
	<b>Household Appliance</b>	<b>74,702</b>	<b>Fe</b>	<b>30,225</b>	<b>32</b>	<b>Fe</b>	<b>12</b>
			<b>Al</b>	<b>2,133</b>		<b>Al</b>	<b>1</b>
			<b>Cu</b>	<b>3,551</b>		<b>Cu</b>	<b>2</b>
	<b>Electronics IT Object</b>	<b>35,039</b>	<b>Fe</b>	<b>9,059</b>	<b>6</b>	<b>Fe</b>	<b>2</b>
			<b>Al</b>	<b>241</b>		<b>Al</b>	<b>0</b>
			<b>Cu</b>	<b>175</b>		<b>Cu</b>	<b>0</b>

# Questions

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**Will it be secondary pollution?**

**What kind of material we want to recycle?**

**Could it be produced stably?**

**Is there a market for secondary materials?**

**Is there enough professional technicians and suitable techniques?**



# Strategies

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**Improve waste treatment plant's appearance**

**Improve pollution control**

**Help to obtain land for building treatment plant**

**Provide economic incentives**



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# Strategies

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**Classify to detailed items**

**Develop resource recycling techniques**

**Educate professional technicians**

**Establish resources exchange center**



# Strategies

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**Expand reuse routes**

**Encourage investment and participation**

**Expand international cooperation**



*Thank You for Your Attention*

**Recycling Fund Management Board  
Environmental Protection Administration  
<http://recycle.epa.gov.tw>**

