

Cu





Copper Scrap Market

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OBJECTIVES

- The client would like to expand the copper secondary material business in the Chinese market and to explore the synergies between copper scrap business and the existing copper concentrate business by conducting research on copper scrap market in China.

PROCESS

- Methodology
 - ▶ Analyze and forecast of China secondary Cu materials supply and demand balance
 - ▶ Identify capacity and the geographic distribution of secondary Cu materials demand
 - ▶ Determine the smelter and semi-fabricators' preference for secondary Cu materials
 - ▶ Analyze supply and demand, development trends, policy of secondary copper materials
- Sample Size
 - ▶ Dismantler (10), Smelter (45), Fabricator (30), Other (5)
- Project Time
 - ▶ 8 weeks

DELIVERABLES

- China Secondary Cu Materials Demand Outlook 2010-2035
 - ▶ China Cu elements demand analysis
 - ▶ China refined Cu production analysis (2010-2035)
 - ▶ China anode, blister and Cu scrap demand by refined Cu smelters (2010-2035)
 - ▶ China Cu scrap demand by semi-fabricators (2010-2035)
- China Secondary Cu Materials Supply Outlook 2010-2035
 - ▶ China Cu Scrap Supply 2010-2035
 - ▶ China Blister and Anode Supply 2010-2035
- Conclusion and Potential Companies Screening

Abbreviation and Definitions (I)

PIR	• Post-industrial recycled scrap, which is generated during the processing and manufacturing
PCR	• Post-consumer recycled scrap, which is manufactured products that would be recycled after a use cycle
EOL	• End-of-life
NEV	• New energy vehicle
BEV	• Battery energy vehicle
HEV	• Hybrid energy vehicle
ICE	• Internal combustion engine vehicle
AC	• Air conditioner
WM	• Washing machine
SH	• Small home appliance, such as microwave oven, etc.
3C	• Including phone, computer, tablet
TV	• Television
HW	• Hazardous waste

Abbreviation and Definitions (II)

Primary copper	<ul style="list-style-type: none">Primary copper refers to the refined copper smelted from copper concentrate
Recycled copper	<ul style="list-style-type: none">Recycled copper refers to the refined copper smelted from copper scrap
Secondary copper materials	<ul style="list-style-type: none">Secondary copper materials in this project include copper scrap and blister/anode copper
Semi-fabricator	<ul style="list-style-type: none">Plants that produce intermediate processed products such as copper rod, copper plate, and copper foil, etc.
Downstream manufacturer	<ul style="list-style-type: none">Companies that produce end products, such as automobiles, home appliances, etc.
Semi-product	<ul style="list-style-type: none">Copper processing materials, such as copper rods, copper foils, copper plates, copper tubes, and copper bars, etc.
Collection Rate	<ul style="list-style-type: none">The volume entering into the recycling system divided by total volume that supposed to be collected this year. Volume might be abandoned or idled and not entering into the recycling system.
Recycling Rate	<ul style="list-style-type: none">The copper actually recycled divided by total volume entering into the recycling system. Volume might be decreased during the dismantling, processing, transportation and storage process

Copper Industry Value Chain

 **Copper Mining**

 **Copper Smelting**

 **Copper Manufacturing**

 **Downstream Application**

