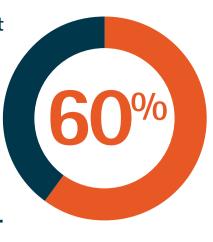
Scrap contamination: Challenges and opportunities for copper recycling

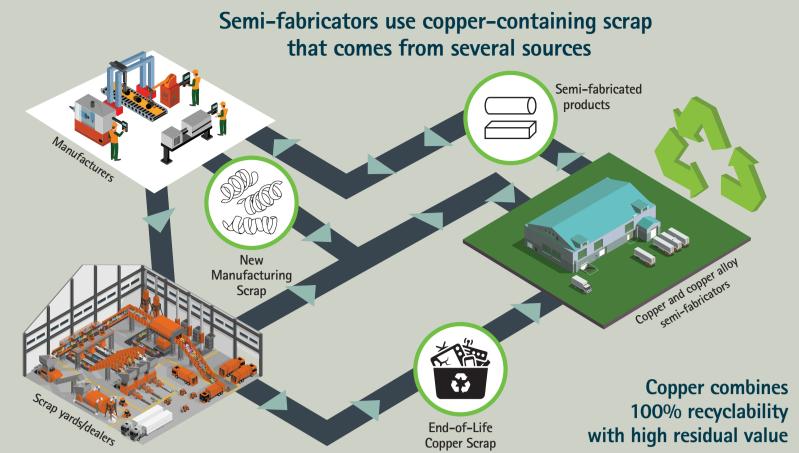
Semi-fabricators convert recycled content (i.e., scrap) and virgin materials into a wide range of products. Scrap suppliers and semi-fabricators need to work together to address recycling challenges presented by scrap contamination.



For U.S. brass mills, scrap makes up 60% of all copper sources

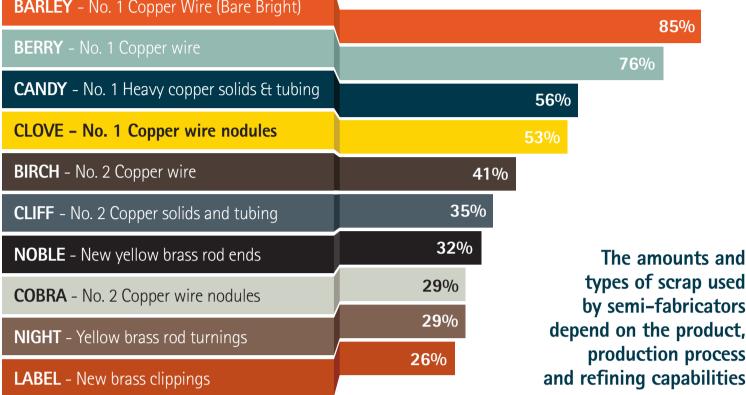
Excludes wire rod)

(U.S. Department of the Interior, U.S. Geological Survey, 2018.



BARLEY - No. 1 Copper Wire (Bare Bright)

Top 10 ISRI scrap grades used by semi-fabricators (N=34)



Business impacts of scrap contamination



Increased operational costs



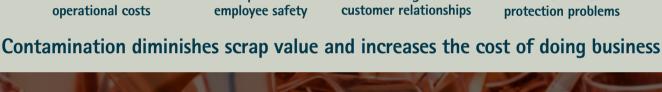
Compromised

employee safety









RUBBER

Environmental

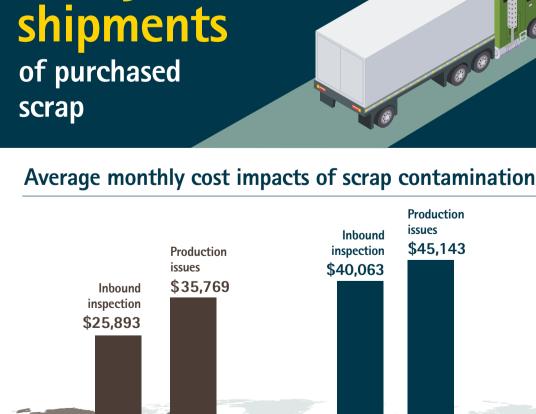
Top scrap contaminants encountered by semi-fabricators (N=34)



SULPHUR SILVER



for semi-fabricators, and resulted in an annual average of



Semi-fabricators incur significant costs scrap contaminants

Scrap

disrupts

production

contamination

to inspect scrap for contamination, and to address production issues caused by undetected



Participate in the

semi-fabricator

scrap contamination

survey

15 rejected





Explore new technology solutions to copper recycling challenges

Contact CDA to learn more and get involved

Join ASTM

Committee B05.08

to develop new

scrap standards

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