

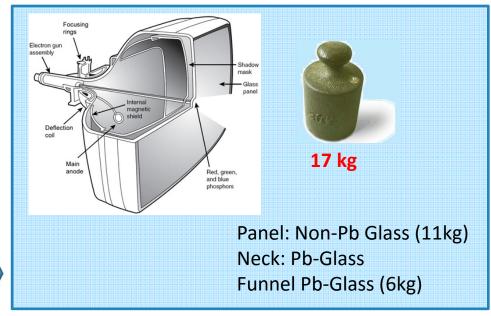
# Step CRT Webinar: The impact of downstream options

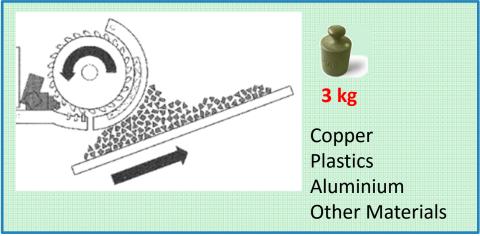
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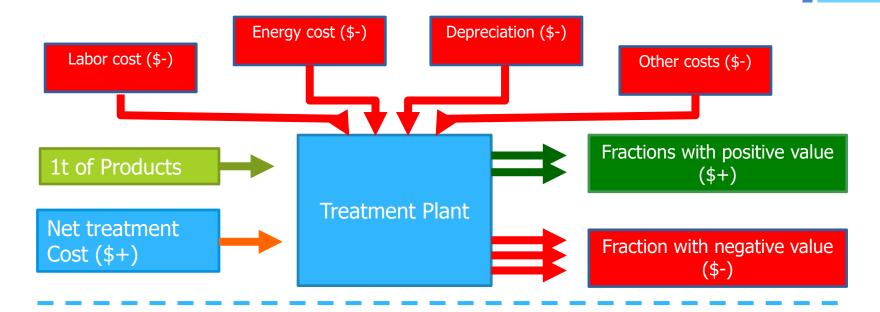
# CRT: the mass balance perspective







## The cornerstone: CRT net recycling cost





#### **PLANT IS RECEIVING MONEY**

This is generally speaking true for CRT products, recycled under proper conditions

Pb-containing fractions (neck + funnel) account for 30% of the total product weight.

30% of the downstream options economic impact will be seen at product level

### The downstream options implications



Balance cost for treatment of screen without Pb-Glass

100 €/t

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Ceramic Industry

Lead Smelter (flux)

Pyro-recovery

Landfill

Storage

Baseline (Ideal case)

0 €/t

Downstream

option cost

Pb-Glass (€/t)

0 €/t

Incidence on

Product treatment

cost (€/t)

0%

30 €/t

9 €/t

9%

60 **€/**t

18 €/t

18%

70 €/t

21 €/t

21%

130 €/t

39 €/t

39%

? €/t

? €/t

? %











Treatment cost is not just the material content..!!

We can keep as fixed the values of all other fractions and materials.

Let's only focus on the Pb-containing fractions

# Who is paying the bill?

- Proper recycling does not simply means ensuring collected products are handed over to recyclers
- Negotiations with recyclers on treatment costs should not forget the impact and consequences of downstream options
- Decrease standards in downstream is the one of the easiest way to reduce treatment costs charged to Producers
- Extended responsibility is also embracing what's happening after the treatment phase

Thank you Questions? Mail to: Magalini@unu.edu