Step CRT Webinar: The impact of downstream options

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CRT: the mass balance perspective

Panel: Non-Pb Glass (11kg)
Neck: Pb-Glass
Funnel Pb-Glass (6kg)

Copper
Plastics
Aluminium
Other Materials

20 kg
17 kg
3 kg
The cornerstone: CRT net recycling cost

- Negative Treatment Cost
- 1t of Products

Plants 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

<table>
<thead>
<tr>
<th>Downstream option cost Pb-Glass (€/t)</th>
<th>Incidence on Product treatment cost (€/t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (Ideal case)</td>
<td>0 €/t</td>
</tr>
<tr>
<td>Lead Smelter (flux)</td>
<td>30 €/t</td>
</tr>
<tr>
<td>Ceramic Industry</td>
<td>60 €/t</td>
</tr>
<tr>
<td>Pyro-recovery</td>
<td>70 €/t</td>
</tr>
<tr>
<td>Landfill</td>
<td>130 €/t</td>
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<tr>
<td>Storage</td>
<td>? €/t</td>
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</tbody>
</table>

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 mean 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?
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