

Beyond Waste

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Visit www.beyond-waste.com to find out more.

Project Objectives

1. Quantify materials

- Data source review
- Site audits - 4 commercial waste transfer stns

2. Identify current landfill diversion routes

- Trade bodies
- Survey of Recyclers and Suppliers
- Literature review of international practice & carbon savings

3. Recommend actions to increase the exploitation of specified bulky waste landfill diversion opportunities in the region.

Target Materials

1. **Flooring - carpets and tiles**
2. **Mattresses - foam and sprung**
3. **Furniture - household and commercial**
4. **Bulky Plastic - industrial and household**
5. **Plasterboard - new and old**
6. **Treated Timber - category C & D**
7. **uPVC - windows and other**
8. **Ceramics - sanitaryware and other**

What we found...

Desk Research Outputs

Estimated Arisings for South East

Flooring - circa 83,500 tpa

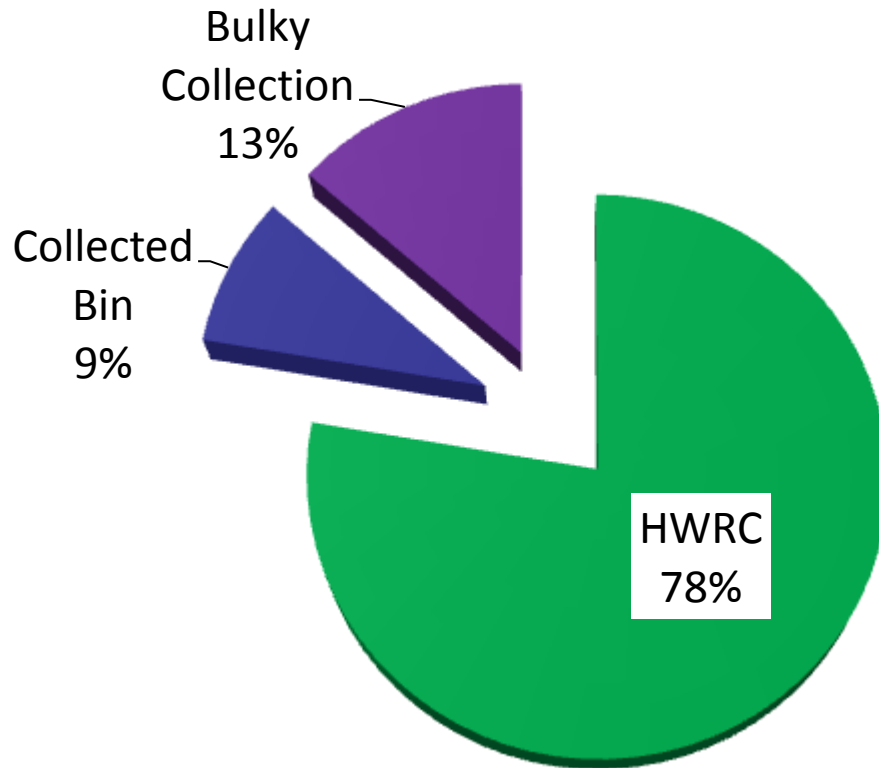
- 51,650 tpa MSW Sourced
- 31,850 tpa Commercial/contract

Mattresses - up to 27,000 tpa

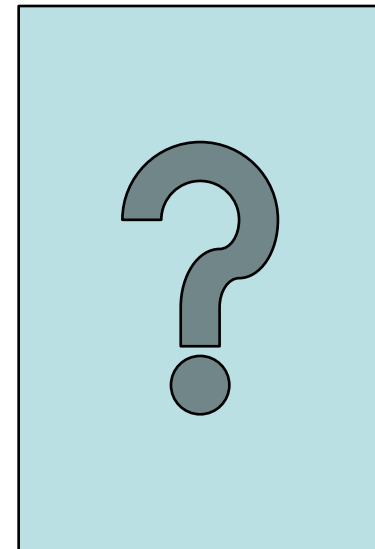
- 15,000 tpa MSW
- 12,000 tpa Commercial/contract

Where Is it Predicted to Arise? Household

Flooring



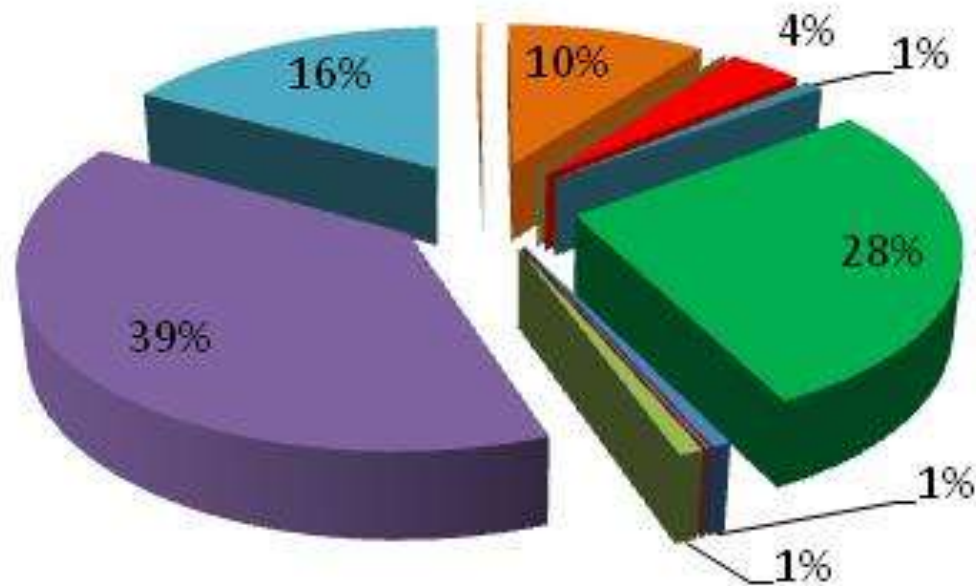
Mattresses



What we found...

Kerbside Audit...

Where Is it Predicted to Arise? Collected Bulky Household



■ Beds

■ Mattresses

■ Wood Furniture

■ Carpet, underlay or flooring

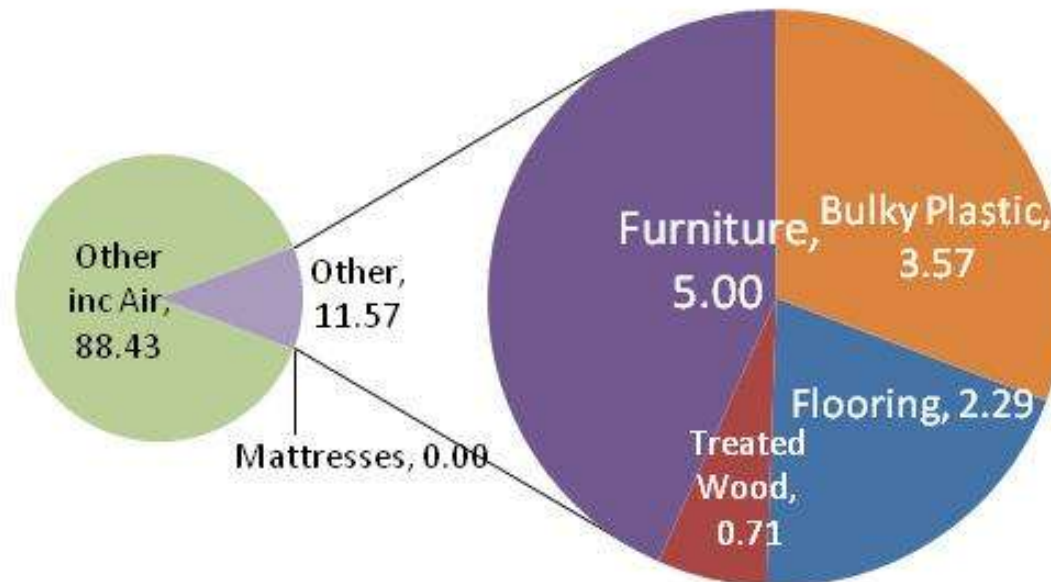
■ Soft Furniture (wood/textile/foam)

What we found...

Commercial Site audits...

Where Is it Predicted to Arise?

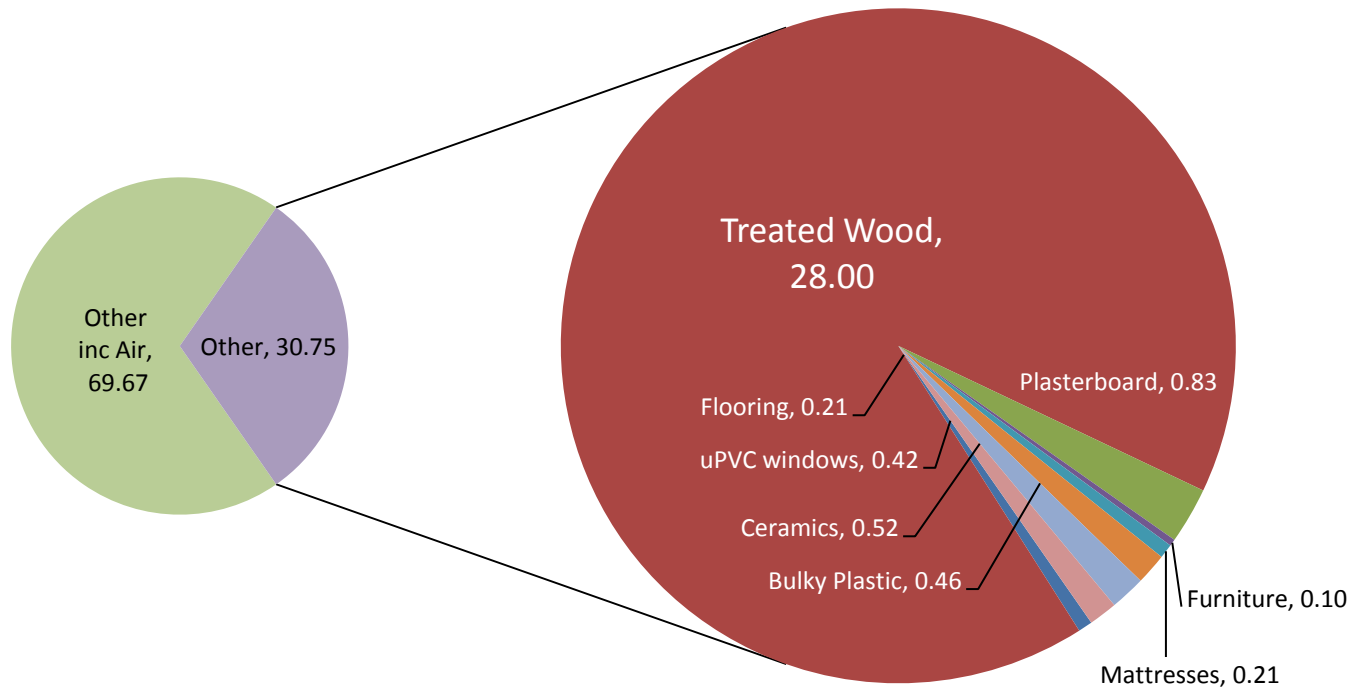
% Volume of Household Skip Occupied by Target Material (Mean)



Household skips not significant source

Where Is it Predicted to Arise?

**% Volume of Builder Skip Occupied by Target Material
(Mean)**



**C & D skips not significant source.
Findings confirmed by WRAP Report**

Where Is it Predicted to Arise?

% Volume of Commercial Skip Occupied by Target Material (Mean)

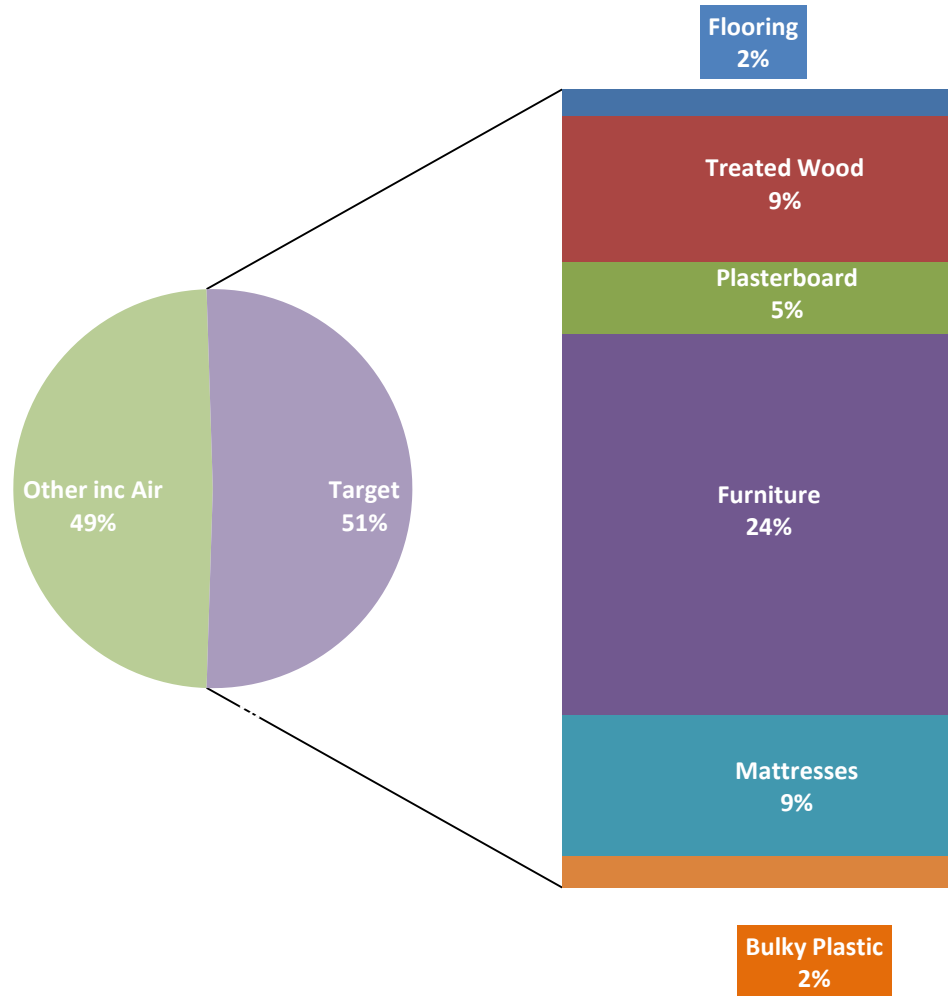


Commercial skips of significance.

Flooring waste is more significant arising during building use phase than at C&D phase.

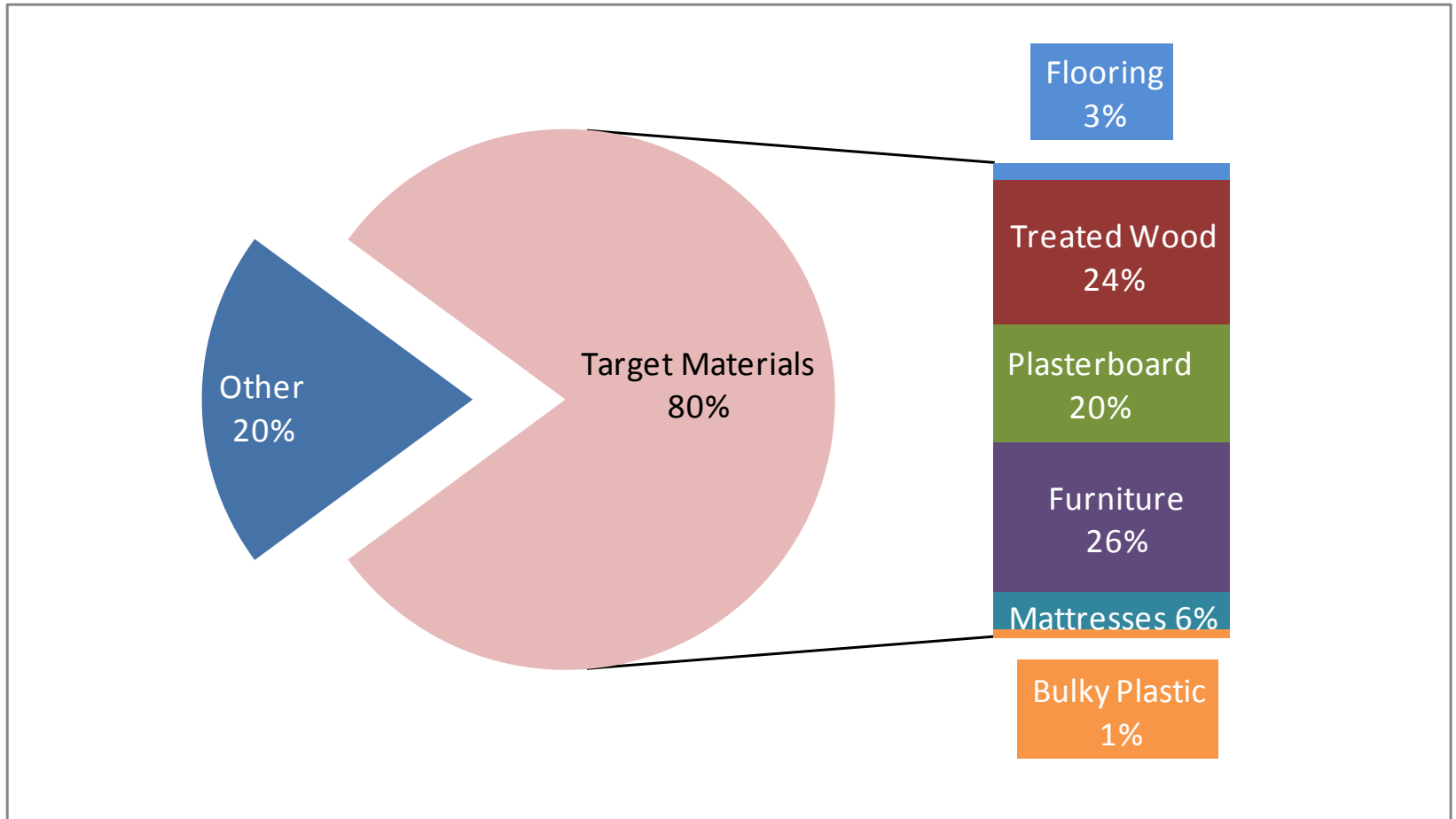
Where Is it Predicted to Arise?

**% Volume of Man-in-Van load
occupied by Target Materials (Mean)**



Where Is it Predicted to Arise?

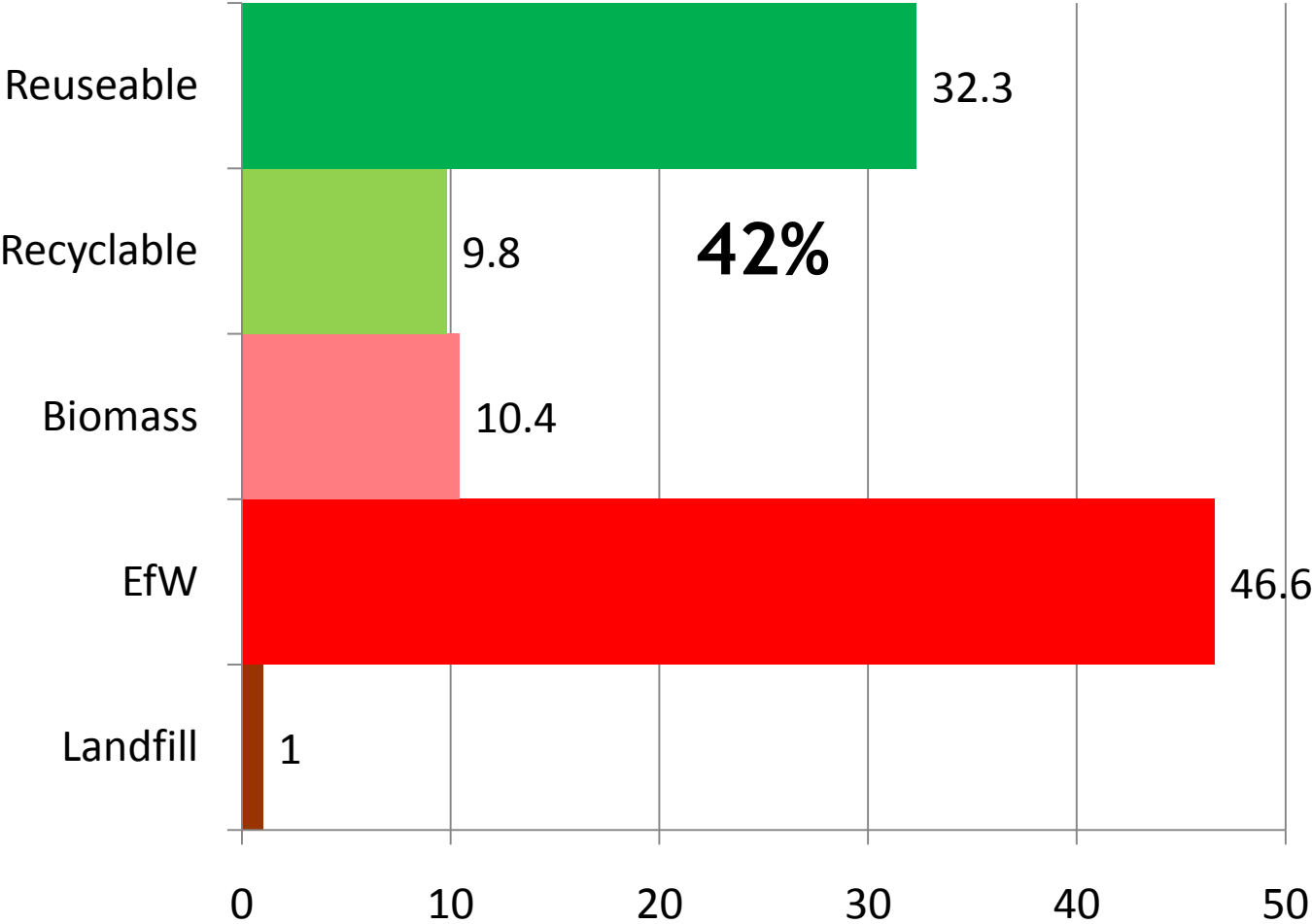
MiV volume values converted to weight



What does it all mean?

Diversion Potential...

Diversion Potential Collected Bulky Household (%)



Sequential top down Approach

Diversion Potential

MiV

Site that accepts 6,000 tpa of small commercial vehicle waste.

	Tpa	tp week
Flooring	135	3
Mattresses	315	6
Furniture	1280	26
Treated Wood	1227	25
Bulky Plastic	67	1.3

Key Messages...

1. Different materials in different places
2. Need to develop targeted approach as follows:
 1. Flooring - HWRCs and contract flooring installers
 2. Mattresses - Bulky collections plus MiV
3. Medway kerbside audit indicates substantial potential for diversion via reuse still to be tapped via collaboration with third sector
4. Potential for setting up separation sites for MiV type loads could yield significant diversion.

Thank You - Questions?



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