

What is WRAP's Designing out Waste Tool for Buildings?

DoWT-B overview, Version 1.0

The Designing out Waste Tool for Buildings (DoWT-B) is a freely accessible resource (available at <http://nwtool.wrap.org.uk>) that will help you to:

- identify opportunities to design out waste in buildings projects;
- record design solutions pursued to reduce material consumption or wastage;
- calculate the impact of these solutions, including savings in project costs, waste to landfill and embodied carbon;
- compare the performance of different projects / alternative designs; and
- provide an indicative waste forecast for your Site Waste Management Plan (SWMP).

The Tool can be used iteratively during outline design, as different options will become relevant as the design is developed. An indicative waste forecast requires only outline project data and can be completed in 10–20 minutes. Subsequent analysis of design solutions and their impacts will require more input from the design team, depending on project size. This time and effort can result in significant financial savings and environmental benefits.

Users:	<ul style="list-style-type: none"> ▪ Design team – architect
When:	<ul style="list-style-type: none"> ▪ RIBA stage A to C
Inputs:	<ul style="list-style-type: none"> ▪ Basic project details (GIFA etc) ▪ Design team thinking on options to design out waste and their effects
Cost:	<ul style="list-style-type: none"> ▪ Short amount of time needed to complete analysis ▪ Tool is free to use
Benefits:	<ul style="list-style-type: none"> ▪ Identify top opportunities for waste reduction and cost saving at an early stage – enabling design team to focus effort ▪ Provide input for an outline Site Waste Management Plan ▪ Include potential savings in tender specification so that tender prices can reflect design decisions ▪ Use results to demonstrate Corporate Responsibility

The Tool should be used in conjunction with WRAP's guidance: Designing out Waste: a Design Team Guide for Buildings, see www.wrap.org.uk/designingoutwaste.