

# The efficient use of materials in regeneration projects

## 14. Additional Resources

**AR1** WRAP, *The Demolition Protocol: Aggregates Resource Efficiency in Demolition and Construction, Volume 1: For Policy-makers and Planners / Volume 2: For Developer and Designers / Volume 3: For Contractors / Volume 4: For Suppliers.* [Available online]

This series of guides provides an introduction to the ICE Demolition Protocol. They are focused to provide different introductions for the range of parties involved in improving the materials resource efficiency of demolition projects, and connecting the demolition and new build processes to enhance the overall resource efficiency of the construction process. They include examples of the use of the Protocol in regeneration. Further information on the ICE Demolition Protocol can be found on the WRAP AggRegain website. [www.aggregain.org.uk](http://www.aggregain.org.uk)

**AR2** WRAP, *Setting a requirement for recycled content in building projects – Procurement guidance for construction clients.* [Available online]

This guidance advises construction clients on practical aspects of setting and implementing requirements for recycled content through all stages of procurement; from setting a policy and corporate objective, through to verifying contractor performance. The document includes a range of model procurement clauses for all types of procurement processes (for example, PFI, traditional, Design and Build). It can be found on the WRAP construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR3** WRAP, *Quick Wins Guide, Opportunities for the use of recycled materials in house building – Reference Guide.* [Available online]

This document provides information sheets on the recycled content in the common structures associated with different aspects of civil engineering and preliminary building works. Available on the WRAP Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)  
It also illustrates the opportunities to increase the recycled content of common specifications for elements of a house, while achieving an A-rating in BRE's Green Guide to Housing Specification. Available via WRAP's construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR4** WRAP, *Quick Wins Guide, Opportunities to use recycled materials in preliminary building works and civil engineering – Quick Wins Reference Manual.* [Available online]

This document provides information sheets on the recycled content in the common structures associated with different aspects of civil engineering and preliminary building works. Available on the WRAP Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR5 WRAP, Quick Wins Guide, Opportunities to use recycled materials in preliminary building works and civil engineering - Quick Wins Guide. [Available online]**

This document illustrates the opportunities to increase the recycled content in common materials which are used in civil engineering and preliminary building works. Available on the WRAP Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR6 WRAP, Quick Wins Guide, Opportunities to use recycled materials in building – Reference Guide. [Available online]**

This document contains information on increasing the recycled content of commercial building projects, focusing on elements listed in BRE's Green Guide to Specification. Available via WRAP's Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR7 WRAP, Site Waste Management Guidance, How To Guides. [Available online]**

This series of guides provide an overview of recycling and waste management in construction, with specific guidance for groups of materials such as concrete, bricks and so on. Available via WRAP's Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR8 WRAP, RC Toolkit. [Available online]**

The aim of WRAP's RC Toolkit is to help determine the percentage of recycled and reclaimed content in a new building. The Toolkit also identifies the most significant opportunities to increase the overall use of recycled and reclaimed material in the building. The Toolkit can be used at an early stage in the development process to estimate the likely level of recycled and reclaimed content in an outline design / specification. It can also be used throughout the development process, ultimately enabling a user to demonstrate how a project achieves a specific level of recycled and reclaimed content. Hosted online at [www.wrap.org.uk/rctoolkit](http://www.wrap.org.uk/rctoolkit)

**AR9 WRAP, Construction web pages.**

A series of web pages helping the construction industry cut costs and increase efficiency through the better use of materials. Available at [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction).

**AR10 WRAP, AggRegain web pages.**

AggRegain is WRAP's free sustainable aggregates information service which includes pages addressing demolition. [www.aggregain.org.uk](http://www.aggregain.org.uk)

**AR11 WRAP, Quality Protocol. [Available online]**

This document illustrates the opportunities to increase the recycled content in common materials which are used in civil engineering and preliminary building works. Available on the WRAP Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR12 WRAP, Choosing construction products, Guide to the recycled content of mainstream construction products. [Available online]**

This document contains information on increasing the recycled content of commercial building projects, focusing on elements listed in BRE's Green Guide to Specification. Available via WRAP's Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR13 DTI, Site Waste Management Plan: Guidance for Construction Contractors and Clients. [Available online]**

The guidance helps contractors and clients to understand and manage construction waste in order to minimise the waste generated and maximise its recycling potential. The guidance is available from the WRAP Construction web pages. [www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)

**AR14 ICE, The Demolition Protocol, Final Report / Implementation. [Available online]**

The ICE Demolition Protocol provides a pragmatic set of methodologies to achieve resource efficiency in construction, demolition and refurbishment projects. The Protocol is the foundation for the AggRegain Demolition Module. Two documents are available: a final report giving detailed findings of the project and an implementation report providing guidance on applying the Protocol. It is available online at [www.icextra.ice.org.uk](http://www.icextra.ice.org.uk)

**AR15 Planning Officer's Society and Local Government Association – Planning Policies for Sustainable Building – Guidance for Local Development Frameworks. [Available online]**

This report contains model policies and guidance that will help all local authorities to adopt planning policies that promote sustainable design and construction. Available online from [www.lga.gov.uk](http://www.lga.gov.uk)

**AR16 CIRIA, CIRIA C529: Environmental Handbook for Building and Civil Engineering Projects: Part 3 Demolition and Site Clearance.**

This guide addresses environmental considerations related to the demolition of buildings and infrastructure including: specifications and environmental policy for demolition and site clearance; contracts; legislation and policy; project planning; and environmental management. It can be purchased from CIRIA. [www.ciria.org](http://www.ciria.org)

**AR17 SPON'S, Estimating Cost Guides.**

SPON'S produce a series of costing guides that include publications for civil engineering, building elements and material prices. These can be purchased from any construction bookseller, such as the Institution of Civil Engineers bookshop. [www.ice.org.uk](http://www.ice.org.uk)

**AR18 BRE, Deconstruction and Reuse of Construction Materials, BRE Report BR418.**

The aim of this report is to give an overview of the waste arisings in the construction and demolition (C&D) industries; the legislative, strategic, fiscal and policy issues relating to deconstruction; and finally to explore how the deconstruction process can work effectively within the C&D and recycling industries. This can be purchased from the BRE bookshop. [www.brebookshop.co.uk](http://www.brebookshop.co.uk)

**AR19 NEC Contract.**

The NEC Contract is a legal framework of project management procedures designed to handle all aspects of the management of engineering and construction projects. Its benefits – stimulating good management, flexibility and simplicity – can be applied to any project, large or small. Further information is available at [www.neccontract.com](http://www.neccontract.com)

**AR20 ICE Conditions of Contract.**

This is a family of standard conditions of contract for civil engineering works, which is at the forefront of best practice and modern procurement methods. Produced by the Conditions of Contract Standing Joint Committee (CCSJC), the ICE Conditions of Contract are jointly sponsored by ICE, the Civil Engineering Contractors Association (CECA) and the Association of Consulting Engineers (ACE). More information is available from [www.ice.org.uk](http://www.ice.org.uk)

**AR21 JCT Contract Suite.**

The JCT 05 suite consists of contract families made up of main contracts and sub-contracts, together with other documents that can be used across certain contract families. The families cover a range of scenarios which arise in the construction industry. Further information is available from [www.jctcontracts.com](http://www.jctcontracts.com)

**AR22 National Federation of Demolition Contractors.**

The NFDC is the trade organisation for the UK demolition industry. Further information can be found on the Federation web pages. [www.demolition-nfdc.com](http://www.demolition-nfdc.com)

**AR23 Salvo MIE webpages.**

This online materials information exchange provides an opportunity for contractors to buy and sell materials which have been recovered from demolition projects. It also offers links to many more salvage and reclamation resources on the web and is found at [www.salvomie.co.uk](http://www.salvomie.co.uk)

This is one of a series of booklets which together form WRAP's guide: The efficient use of materials in regeneration projects. While this booklet is designed to be used separately it may refer to sections in the main guide.

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**Waste & Resources  
Action Programme**

The Old Academy,  
21 Horse Fair,  
Banbury, Oxon  
OX16 0AH

Tel: 01295 819 900  
Fax: 01295 819 911  
E-mail: [info@wrap.org.uk](mailto:info@wrap.org.uk)

Helpline freephone  
0808 100 2040

[www.wrap.org.uk/construction](http://www.wrap.org.uk/construction)