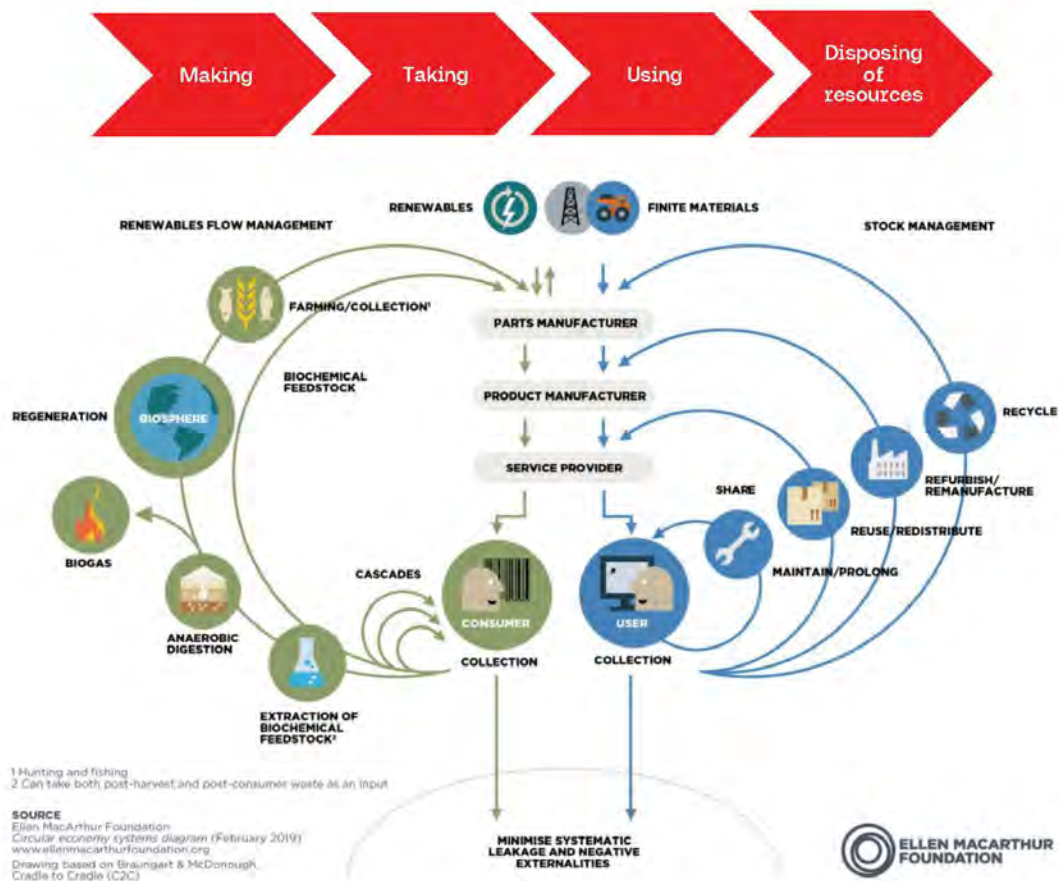


As described by The Ellen MacArthur Foundation. The Circular Economy is defined as an economic system which is based on the principles of designing out waste and pollution, ensuring that products and materials remain in use enabling natural systems to regenerate.

Through a concerted focus on design, the concept of waste can be eradicated.

The below graph exhibits the current system of:



General Demolition Ltd. is fully committed to the three principals of the Circular Economy which are:

- ✎ Eliminate waste and pollution
- ✎ Circulate products and materials
- ✎ Regenerate nature





## Circular Economy & Social Value

**“We take sustainability very seriously and our environmental resource park helps us achieve very high recyclability rates”**

**When you work with General Demolition, you are making a conscious decision to work with a company that values the impact that it makes on the environment.**

Our bespoke waste management solutions are designed to support circular economy and are built into our plans for every enabling works projects that we undertake and deliver.

Moral and social responsibility in all aspects drives our success in complex operations.

Our team of dedicated enabling works specialists are committed to finding the most sustainable way to deliver on demolition and enabling works.



Sustainability Approach 



## Circular Economy & Social Value

**At General Demolition, we target our waste management process to support the circular economy.**

**We extract and crush concrete and other materials to create aggregates that can be redistributed and used within the construction industry.**

We also have a dedicated team that specialise in reclaimed bricks that have been saved from landfill for use in future developments.

Construction and demolition waste is said to contribute to a third of overall landfill waste. We are constantly scrutinising our waste management process and work to support the circular economy. We avoid sending demolition waste to landfill through re-use and recycle initiatives.

Across our strip-out/enabling works, we collaborate with charities, schools and the local community to re-home any items remaining on site that have not met their economical lifespan.

Desks, chairs, tables and computers are distributed to schools and local businesses within a 5-mile radius of our projects. Accelerating the change to sustainable demolition

Demolition and construction waste has been recorded as a big global contributor to waste to landfill sites.

At General Demolition Ltd., we take recycling very seriously and we use our own environmental resource park to ensure that we always achieve between 95-100% recyclability rates across our projects.



## Circular Economy & Social Value

### Newgen Recycling

General Demolition Ltd. have a long-standing relationship and have worked in partnership with Newgen Recycling for many years.

Newgen Recycling offer a modern approach to waste management and understand our requirement for cost effective and environmentally friendly waste management.

Newgen Recycling operate from a fully licensed waste transfer facility located in Walton-on-Thames. Newgen Recycling are able to process 50,000 tonnes of waste annually.

#### All waste materials are:

- Segregated into waste streams
- Weighed, assessed and categorised upon delivery
- Scrutinised for the opportunity to re-use
- Newgen Recycling will utilise the nearest recycling facility to the site to reduce time, cost and its carbon footprint

#### Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission





## Circular Economy & Social Value

### European Metal Recycling (EMR)

General Demolition Ltd. have a long-standing relationship and have worked with EMR for many years.

EMR is a member of the UK's Council for Sustainable Business (CSB), which advises Defra Ministers and policy teams on the role.

EMR operate at the forefront of sustainable metal recycling, from ferrous and non-ferrous metals to plastics.

EMR helps industries save more than 9,300,000 metric tonnes of carbon-dioxide annually. Which equates to 17 metric tonnes every minute of every day.

EMR operates advanced plant and equipment technology, producing the highest quality end products, whilst operating at maximum efficiency with minimal emissions

#### Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission





## Circular Economy & Social Value

### Tarkett

General Demolition Ltd also partners with the “Tarkett ReStart take-back and recycling programme”.

Tarkett ReStart’s service offers the opportunity to transform old carpet tiles from our sites into new sustainable carpet tiles.

Adopting the Cradle-to-Cradle design / Circular Economy in efforts to support the Sustainable Development Goals (SDG).

### Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission





## Circular Economy & Social Value

### Raised Modular Flooring (RMF)

RMF have formed a key part of the circular economy via their initiatives in their re-use and recycling of raised access flooring panels.

UKGBC contacted RMF to form part of their industry expert panel to form new guidance around the re-use of materials and materials as a service.

RMF have a 'Total Take Back' scheme, which offers to take back all flooring panels and pedestals from any manufacturer for full recycling back to their core components.

RMF hold an 'Environmental Product Declaration (EPD)' for re-use raised access flooring. This is a ISO recognised standard that is internationally recognised, which can assist with uplifting points under BREEAM, WELL, SKA and other 'gold standards'.

#### Opportunities for saving include:

- Time
- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission
- Water
- Energy





## Circular Economy & Social Value

### Powerday

All waste delivered to Powerday's recycling facility is

**100% recycled.**

### Waste Management

Powerday provides material processing which can be tracked from collection to the end destination. Waste categories accepted includes:

- ✎ Metal
- ✎ Plasterboard / Gypsum
- ✎ Wood
- ✎ Plastic
- ✎ Aggregates / Concrete
- ✎ Demolition waste

### Opportunities for saving include:

- ✎ Distance travelled
- ✎ Transportation costs
- ✎ Fuel consumption
- ✎ CO<sub>2</sub> emission



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## Circular Economy & Social Value

### Envirocycle London Ltd.

Accredited by the the Environment Agency with an upper tier waste carriers' licence.

Envirocycle are a Carpet Recycling UK Member

Recovering used carpet tiles for sustainable re-use

### Material Processing

Envirocycle recovers carpet value from diverting post consumer carpet tiles from landfill to re-use.

Post recovery, carpet tiles are supplied to:

- Charities
- Schools
- Local businesses
- Local authorities

### Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission



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## Circular Economy & Social Value

### URM

URM have pioneered new methods of treatment to ensure that glass is given a useful second life



### Material Processing

Glass is 100% recyclable.

All glass products that are taken to URM's facility is recycled to create new products such as:

- Mirrors
- Windows
- Wind-screens

### Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission
- Reduces glass waste disposal cost



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By donating your unwanted office furniture and tech through the **Business2Schools charity** we are able to make state schools in the UK an even better experience for children and students.

If we help improve the infrastructure in schools, provide them with faster computers and help create a more aspirational environment, our children will be inspired.

If we are more ethical about recycling our children will benefit.

**Together we can provide a brighter future for children in all our schools.**



## Circular Economy & Social Value

### Business2Schools and freecycle.org

**“Business2Schools” who have a vast network of over 10,000 charities and local schools**

**and**

**“freecycle.org”, who offer equipment and furniture to local communities**

During the pre-start activities a site asset register is created.

General Demolition’s sustainability team will work together with interested local charities, schools, and small local businesses and local individuals to re-home the items identified within the asset register.

Our site management team, will ensure that the requested items are segregated and stored ready for collection.

**Opportunities for saving include:**

- Distance travelled
- Transportation costs
- Fuel consumption
- CO<sub>2</sub> emission



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# Approach to Sustainability

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## Approach to Sustainability

At General Demolition, we are committed to more sustainable demolition services and 'Sustainable Development Goals (SDGs)' set out in the UN's 2030 Agenda for Sustainable Development.

We recognise the importance of ending poverty and deprivation with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working towards the preservation of our oceans and forests.

We take every effort to ensure that we are acting in the most environmentally responsible way throughout all our operations.

We recognise the importance of our role in reducing the impact we make on the environment both locally and globally.

As a company, we have designed and implemented a number of initiatives to combat our carbon emissions, innovate our waste management processes and to always source supplies and suppliers locally wherever possible.

Our mission is to raise the standards of responsible demolition/enabling works, so that the actions we take today, build a better tomorrow.

### Our Values

- Progressive – to strive for better
- Determined – to lead by example
- Integrity – to take responsibility
- Considered – to respect our people, clients, community and environment, are visible in all that we do.

General Demolition is guided by our ISO14001:2015 accreditation for environmental management. Which enables us to identify issues and improve our environmental performance through continual monitoring and support.

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## Approach To Sustainability

### ISO14001:2015 Environmental Management System (EMS) is an integral part of our overall Integrated Management System (IMS).

General Demolition Ltd are committed to the delivery of more sustainable demolition and enabling services and are proud that more than 98% of the waste removed from our sites are re-used within the build environment.

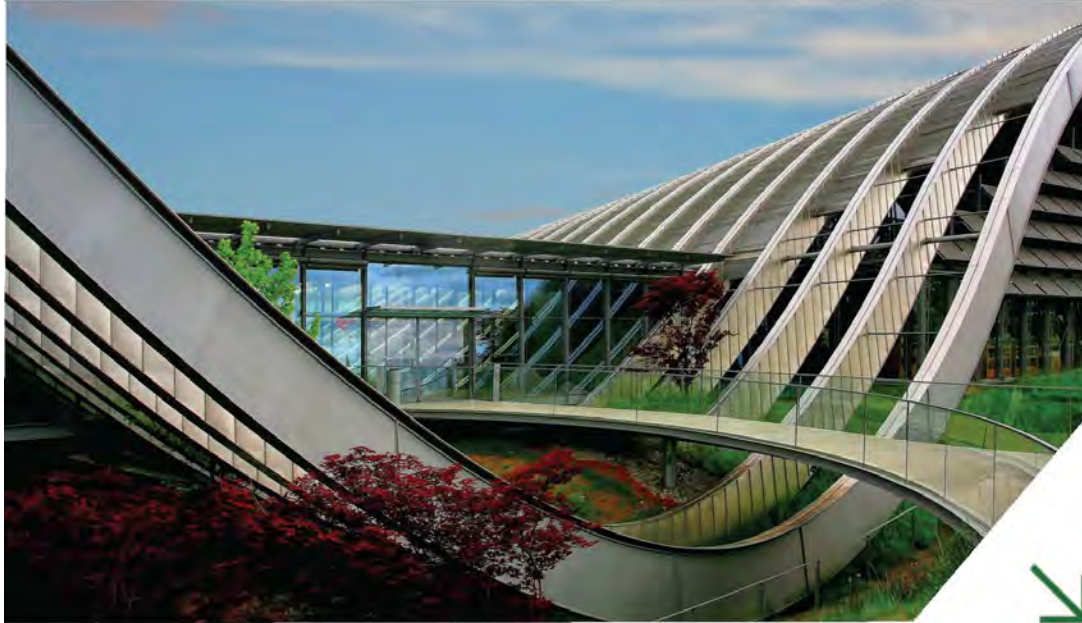
General Demolition are on our sustainability journey, recognising the ongoing process of assessment, research, and strive for continual improvement.

We consider the immediate and ongoing effects that our processes might have on the environment and provide solutions to mitigate any adverse effects. We do this with the aim of securing a better, more sustainable environment for the enjoyment of future generations.

We are committed to reducing our carbon footprint. To achieve this, we have set annual reduction targets at 6% to ensure we meet a 50% reduction by the year 2030.

Ways in which we lower our carbon emissions is through utilising suppliers and facilities that are located within close proximity to the project, reducing the distance travelled by our vehicles. This also enables General Demolition Ltd. to support local businesses and labour supplies through economic contribution.





## Approach To Sustainability

**We will assess the environment in which we are working in, and act responsibly for the protection of fauna and flora.**

We are implementing a Carbon Reduction Plan to ensure that we are in line with global commitments to achieve Net Zero carbon emissions by 2030.

We will review our 'Carbon footprint' regularly and investigate alternative methods of reducing and offsetting our carbon emissions.

**Through our management we:**

- Manage the operation to minimise waste and avoid pollution to air and water in accordance with Environment Agency best practice guidelines
- Set targets for reduction of waste to landfill and increase recycling
- Establish a good neighbour policy and to implement an active communication strategy with stakeholders. As-well-as attaining a high score under the Considerate Constructor Scheme (CCS)
- Select materials of low intrinsic environmental impact and low cost in use
- Encourage the use of recycled aggregates in preference to virgin aggregate when these can be sourced within a sustainable distance
- Protect, preserve, and enhance existing ecology
- Consult with users and other stakeholders to establish the detailed brief for the buildings and their removal
- Encourage a review of transport policy for staff, to encourage the use of alternatives to private car use

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Sustainability Approach ➤



## Approach To Sustainability

### Recycled Materials, Landfill and Hazardous Waste

The systematic approach General Demolition Ltd. implement during the strip-out and demolition process are key to the achievement of excellent sustainability levels throughout the lifecycle of our projects.



We aim

# 100%

recyclability on all projects

General Demolition Ltd. operates its own recycling facility which is located in Walton-on-Thames. As well as through longstanding relationships with local waste re-use and recycling partners, enables us to operate at the forefront of sustainable delivery.

The pre-planned soft-strip dismantling process that we implement, allows for the separation of materials into alternative waste streams at source. Removing the requirement for the re-sorting or need of further waste management at a later stage of the recycling process.

It is our key objective to provide sustainable value and to ensure that all waste materials are correctly categorised, and that General Demolition Ltd.'s carbon output is minimised.

General Demolition aims for 100% recyclability on all of its projects and takes pride in avoiding landfill for all non-hazardous material.

Hazardous waste material is always handled in a responsible manner by licensed specialists and taken to an appropriate facility for disposal.

Through ongoing professional training and diligent management, our operatives are fully aware of and subscribe to the core values that General Demolition Ltd. upholds in its approach to sustainability and recycling.

Environmental training courses offered by the BRE Academy are encouraged across our site teams to enhance their knowledge and awareness.





## Approach To Sustainability (cont)

Each secured project will be subject to a WST01-pre-demolition/refurbishment audit (SWMP), which is carried out at part of the pre-start activities.

This will be created in-line with the BREEAM requirements provided for the redevelopment scheme.

In addition to the WST01-Pre-demolition/refurbishment audit, General Demolition Ltd. also completes a 'PPG6 Checklist' to provide information on all aspect's demolition works which could affect the environment.

As part of General Demolition Ltd.'s commitment to BREEAM and ISO14001:2015 Environmental Standard.

A WST01-pre-demolition/refurbishment audit/survey is undertaken prior to commencement of all projects in-order-to identify opportunities to "re-home" any items including (desks, chairs, blinds, cupboards, IT equipment, etc.) which can be re-purposed and to avoid landfill.

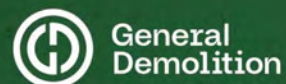
In-order-to achieve our goal of a zero waste to landfill status, General Demolition Ltd. have adopted the 'Waste Hierarchy' to minimise the environmental impact of waste generated from our enabling works.

### Waste Hierarchy

Most favoured option



Least favoured option



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## Sustainability Targets

General Demolition Ltd. have established targets and target dates for our sustainability goals.

These targets reflect our current aspirations under each of these goals. Enabling us to monitor, measure as-well-as report progress towards our ambitions

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## ↳ CARBON NET ZERO

General Demolition Ltd. are taking appropriate measures to reduce our carbon footprint and are making significant progress compared to our 2030 roadmap.

Recycling Target:

Currently Achieving: ↙

100% ↙

98%

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## Sustainability Targets

Planning for 2030

### Healthy & Circular Products

| Goal                                             | Target                                                                                                                                                        | Target date   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Sustainably sourced products                     | 100% of timber sourced must be FSC certified and suppliers to provide evidence showing responsible sourcing is demonstrated via chain of custody certificate. | Achieved 2019 |
| Circular Products                                | 100% of waste material to be recycled, re-used                                                                                                                | 2030          |
| Reduction of Carbon (CO <sub>2</sub> ) footprint | Reduction in the amount CO <sub>2</sub> emission from transportation of waste material                                                                        | 2030          |

### Healthy Planet

| Goal                     | Target                                                                                                            | Target date |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|-------------|
| Reduced Carbon Footprint | 50% reduction in greenhouse gas (GHG) emission from 2022 baseline, in accordance with Science Based Targets (SBT) | 2030        |
|                          | 100% of electricity requirements source directly or in-directly from renewable energy                             | 2030        |
| Optimised Water          | 100% of our water management practices include measures designed to minimise usage and environmental discharge    | 2030        |



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## Sustainability Targets

Planning for 2030

| People & Communities          |                                                                                                                                    |             |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Goal                          | Target                                                                                                                             | Target Date |
| Community Engagement          | Employees provided with opportunities to actively engage with communities on locally beneficial environmental volunteering schemes | Ongoing     |
|                               | Increase our community engagement year-on-year on environmental matters                                                            | Ongoing     |
| Safe & Healthy Workforce      | Operatives are provided with the tools and necessary resources to improve their financial, physical / mental health and well-being | Ongoing     |
|                               | Maintain a zero-workplace injury score year-on-year                                                                                | Ongoing     |
|                               | Employees to be offered opportunities for learning and development annually.                                                       | Ongoing     |
| Diverse & Inclusive Workforce | Employees to receive training / engagement on diversity and inclusion topics on a regular basis                                    | Ongoing     |
|                               | Employees have the opportunity to discuss/share their views on topics and issues that are important to them in a safe environment  | Ongoing     |



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General Demolition Ltd. has a 'Duty of Care' to ensure that all waste from our sites are transported and disposed of without causing any harm to the environment.

10.0

## Duty of Care

We take our duty of care responsibilities very seriously and only trusted suppliers from our approved list are authorised to transport waste material from our sites to the nearest reputable recycling centers.

### Waste Transfer Notes (WTN)

- Electronic versions of the Waste Transfer Notes (WTN) are stored in General Demolition Ltd.'s Dropbox
- Hard copies of the Waste Transfer Notes (WTN) are stored within site files in the site management office

➤ [www.General-Demolition.co.uk](http://www.General-Demolition.co.uk)

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## Duty of Care

| Our Partners                  |                                                                                                                                                                                                                       |                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Recycling Partners            | Material Classification                                                                                                                                                                                               |                                                                                       |
| <b>General Demolition Ltd</b> | Recycling of mixed demolition waste materials which includes dry mixed recyclables (e.g., cardboard, paper, plastics), mixed metal, glass, green and general waste, brick reclamation, concrete and hardcore removal. |     |
| <b>Newgen Recycling</b>       | Recycling of mixed demolition waste materials which includes dry mixed recyclables (e.g., cardboard, paper, plastics), mixed metal, glass, green and general waste, brick reclamation, concrete and hardcore removal. |    |
| <b>Powerday</b>               | Recycling of mixed demolition waste materials which includes dry mixed recyclables (e.g., cardboard, paper, plastics), mixed metal, glass, green and general waste, brick reclamation, concrete and hardcore removal. |   |
| <b>Total Metal Recycling</b>  | Recycling all grades of scrap metal including ferrous metals (iron & steel) and non-ferrous metals such as copper, brass, aluminium, etc.                                                                             |  |
| <b>EMR</b>                    | Recycling all grades of scrap metal including ferrous metals (iron & steel) and non-ferrous metals such as copper, brass, aluminium, etc.                                                                             |  |
| <b>Southwark Metals</b>       | Recycling all grades of scrap metal including ferrous metals (iron & steel) and non-ferrous metals such as copper, brass, aluminium, etc.                                                                             |   |
| <b>Eurocell</b>               | PVC windows and doors are collected for recycling and re-engineered to produce new window and door systems. The process uses less energy and provides a more efficient product.                                       |  |

## Duty of Care

| Our Partners                           |                                                                                                                                                              |                                                                                       |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Recycling Partners                     | Material Classification                                                                                                                                      |                                                                                       |
| <b>Raised Access Flooring Supplies</b> | (Nationwide collection)<br>Modular flooring recycling                                                                                                        |     |
| <b>Raised Modular Flooring (RMF)</b>   | (Nationwide collection)<br>Modular flooring recycling                                                                                                        |    |
| <b>Tarkett</b>                         | (Nationwide collection)<br>Heterogeneous and homogeneous vinyl, laminate, rubber, wood, carpet rolls & tiles, linoleum, artificial grass and track recycling |    |
| <b>Envirocycle</b>                     | (Nationwide collection)<br>Re-using carpet tiles and electrical items – supplying schools, charities, SME businesses and local authorities                   |   |
| <b>URM</b>                             | (Nationwide collection)<br>Recycling all types glass – closed loop systems to produce new products                                                           |  |
| <b>freecycle.org</b>                   | Furniture, furnishing/fixtures, kitchen & WC ceramics                                                                                                        |  |
| <b>Business2Schools</b>                | Furniture, IT equipment,                                                                                                                                     |  |

11.0

# Re-use and Best Practice Overview

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## 11.0 Re-use & Best Practice Overview

An early consultation with the client and/or client administrator is beneficial to establish and agree which elements/furniture etc. will be remaining at the hand-over stage. This followed by a long lead-in time, to allow interested parties to collect for re-use.

The most favourable option for re-use to produce the best environmental and economical outcome are:

- Re-use by the existing occupant.
- Donated to local charities, schools, and businesses within the local area.

Steps to maximise the reclamation potential of KDP's include:

- Discuss with the client/client's administrator, opportunities for closed-loop re-use during the next phase of the project or in another scheme.
- Allocating a designated storage area on-site which is segregated from other waste material and site operations to store salvage items. Whilst progressing options for re-use.

| Potential Re-use Item(s) | Quantity |  |
|--------------------------|----------|--|
| Carpet Tiles             | 5.66t    |  |



| Potential Re-use Item(s) | Quantity |  |
|--------------------------|----------|--|
| Tables (Style Type 1)    |          |  |
| Chairs (Style Type 1)    |          |  |



| Potential Re-use Item(s) | Quantity |  |
|--------------------------|----------|--|
| Tables (Style Type 2)    | 19       |  |
| Chairs (Style Type 2)    | 95       |  |



| Potential Re-use Item(s) | Quantity |  |
|--------------------------|----------|--|
| Tables (Style Type 3)    | 29       |  |
| Chairs (Style Type 3)    | 116      |  |

