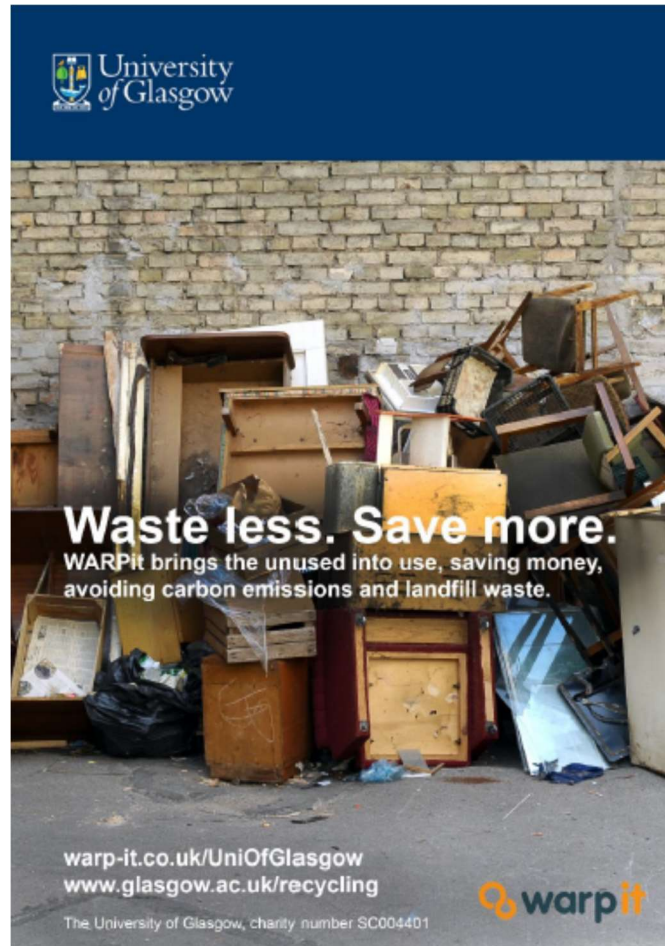




University
of Glasgow

Waste Management Strategy & Action Plan (non-hazardous waste) (2022-2027)



Version Control

Version	2.2
Author	Stewart Miller / Tom Bryce
Checked by	Ian Campbell
Approved by	David Duncan
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Introduction

This Waste Management Strategy and Action Plan has been developed to support both the University's Climate Change Strategy and the wider University Strategy.

The Strategy covers all non-hazardous waste on campus. It aims to promote collective responsibility for the management of waste across all our campus locations and to ensure that the waste hierarchy of 'reduce, reuse and recycle' is promoted and practiced. It commits the University to continually improve the way it manages waste and will also help us to ensure that we achieve and maintain legal compliance.

This Strategy describes in broad terms what our approach to campus waste management will be.

We will be guided by the following principles:

- Encouraging a whole-of-institution approach
- Respecting the environment
- Becoming a positive force in the marketplace
- Building knowledge and sharing best practice
- Supporting people and communities

The associated action plan provides a detailed description of the steps that we will take in the next 12 months to improve waste management on campus. We will undertake to update the action plan on an annual basis.

Dr David Duncan and Prof Jaime Toney
Co-Chairs; Sustainability Working Group

Vision

“The provision of waste management services and infrastructure that promote environmental best practice, are legally compliant and provide value for money”

“A 70% on campus recycling rate by 2027 and zero waste to landfill by 2030”

Mission

“To effectively engage with our staff and students, in such a way that collective responsibility is assumed for waste disposal across our campuses”

Context

University Strategy (World Changing Glasgow 2025)

- Actively adopt and advance the United Nations' Sustainability Development Goals (note SDG 12 'Responsible consumption and production')
- Create greener, healthier, and more sustainable campuses within our communities
- Evolve our operations and ways of working to meet our commitment of being a carbon neutral organisation by 2030

UofG Climate Change Strategy – Glasgow Green (2020)

- Roll out improved internal recycling and composting facilities across our estate
- Re-launch the University's WARPit asset reuse portal, with a much broader focus than just furniture
- Install freely available water fountains for staff, student and visitors in all our main buildings
- Phase out single-use plastics from our catering operations

UofG Estates Strategy (for 2025)

- Ensure sustainability is at the centre of all our projects
- Engage staff and students in our environmental actions

Waste Management action plan for 2022/2023

The specific actions and outcomes for 2022/23 that will help deliver the five-year waste management strategy are detailed below.

Progress against each action will be categorised as being either red, amber or green.

	No progress /unlikely to be completed within the 2022/2023 year cycle.
	Limited Progress and likely to over run into 2023/2024 year cycle.
	Progress made and on target for completion within 2022/2023 year cycle.

1.0 Whole-of-institution approach

Objective	KPI	Measure of Success What does good look like?	Owner	Progress
Upgrade internal recycling facilities across the UofG estate (~80 buildings per year), prioritising buildings according to potential impact on recycling rate, by July 2027	Number of buildings where internal recycling facilities have been upgraded.	Internal recycling stations are provided in a consistent manner in all our buildings by 2027	TB	Zone 2 complete (24 Buildings). Zones 1-5 complete by Dec '23
Provide student-accessible water fountains in all 'assembly' buildings on campus, by July 2025	Number of buildings with 'plumbed in' water dispensers	Circulation areas in all 'assembly' buildings contain a 'plumbed-in' water dispenser	BM/GW	In progress, with ~10 Buildings upgraded. Pause due to CBRE handover
Reinstate and promote the use of Keep Cups and Tupper Ware at all catering establishments, by Sept 2022	Number of sales for hot drinks and food purchases using own utensils.	Reduced costs for disposable catering items.	Scott M	In progress, GUEST currently supporting Hospitality Services, in this regard

Review and promote self-catering provision in student facing buildings, by Dec 2022	Number of buildings with access to self-catering facilities for students and staff.	Students can reheat left over food from home, thus reducing food waste	GUEST sustainable food promoter	No progress made
Use BREEAM/SKA to reduce demolition/construction waste from new buildings/refurbs (ongoing)	Reuse and recycling rates for project-related demolition and construction waste	Targeted reuse and recycling rates are achieved	DH	Ongoing
Ensure that adequate waste management facilities are designed into new buildings (ongoing)	Relevant BREEAM credits for waste management are achieved	Internal recycling stations are provided in a consistent manner in all of our buildings	DH	Ongoing
Charge projects/schools for <i>ad hoc</i> skip use, by July 2023	Total number of <i>ad hoc</i> skip hires	Reduced use of <i>ad hoc</i> skips	TB	No progress made
Relaunch our Warp-it portal to facilitate the reuse of university owned resources within the organisation, by Sept 2022	Monthly cost / carbon savings achieved and recorded on WARP-It portal	Culture of reusing surplus resources within the University, that goes beyond furniture	TB/DH	Currently planned for 23/24

2.0 Respecting the environment

Objective	KPI	What does good look like?	Owner	Progress
Reduce waste to landfill and maximise segregation of DMR and cardboard (ongoing)	Segregation at source recycling rate	A 70/30% segregation at source recycling rate achieved by 2027	BM/TB	Limited progress; currently 20% segregation at source recycling rate
Introduce process to enable analysis of effectiveness of 'on-the-go' recycling facilities across the estate, by Dec 2022	Segregation at source recycling rate (%) for 'on-the-go' recycling facilities.	A 50% minimum segregation at source recycling rate achieved by 2023 for 'on-the-go' recycling facilities	TB	No progress made; review of heritage on the go recycling facilities required

Pilot the use of bailers and compactors to reduce the frequency of waste collections and exploit any available rebates, by Jun 2024	Pilot carried out	Number of waste collections on campus kept to a minimum.	TB	Currently in planning phase
Pilot separate collection of cardboard, lab plastics, polystyrene, autoclaved plastics, and wooden pallets and explore any potential rebates, by Dec 2022.	Pilot carried out	Reduced waste disposal costs, increased recycling rates.	TB	Progress made on cardboard, polystyrene and autoclaved plastics
Improve the segregation of food waste from catering venues to divert from landfill, and reduce contamination of DMR, (ongoing)	Segregation at source recycling rate (%) based on bin tonnages from JMS, Library and 1A the Square	Improved signage in facilities where catering is offered, making it clear to building users how to dispose of waste correctly	TB /Scott M	Ongoing
Upgrade livery on Vegware bins in catering venues, so that they are more easily distinguished from DMR,	Vegware waste volumes	Improved signage in facilities where catering is offered, making it clear to building users how to dispose of waste correctly	TB/Scott M	Ongoing
Implement composting plant at Garscube Campus to facilitate all green and animal bedding waste by 2023.	Disposal costs for animal bedding and green waste	Reduced waste disposal costs and supply of compost r available for grounds team and local community use	TB	In planning phase, anticipated in 23/24

3.0 Becoming a positive force in the marketplace

Objective	KPI	What does good look like?	Owner	Progress
Ensure our waste contractors manage our residual waste in an appropriate manner (ongoing)	Annual visit / inspection of waste contractor premises	Waste contractor compliant with all legal obligations validated at annual review meetings	TB/TM/LH	Ongoing
Implement Contract Supplier Relationship Management with our strategic supplier for non-hazardous waste (ongoing)	Quarterly business review produced by the supplier	Supplier achieves 'highly satisfactory' score in CSR model	JG/TM/LH	Ongoing
Work with internal stakeholders and our waste contractor, to deliver annual waste plan, ensuring efficient servicing of the estate and minimising the carbon	Progress monitored via quarterly CRM meeting	Carbon impacts of waste production, transportation costs and bin/skip hire costs are all minimised	TB/TM/LH	Ongoing

emissions associated with waste transport, (ongoing)				
Strategic supplier for non-hazardous waste delivers on community benefits (ongoing)	Number of events/placements delivered, annually	Waste Supplier has visible presence on campus and provides learning opportunities for staff and students	TB/LH	Ongoing
Where there is a cost-effective solution, use waste management services provided by social enterprises	Number of social enterprises contracted	Our work also benefits the local community	TB	Ongoing; currently using Glasgow Wood Recycling, when appropriate

4.0 Building knowledge and sharing best practice

Objective	KPI	What does good look like?	Owner	Progress
Comply with our obligations as a Duty Body, under the Environmental Protection Act 1990 and Waste (Scotland) Regulations 2012 (ongoing)	Number of infringements	We are informed about any changes in waste regulations and legal compliance is achieved	TB/AS	Ongoing
Monitor our land regularly for littering to ensure compliance with the Code of Practice on Litter and Refuse (Scotland) 2018	Quarterly meetings and reports by grounds team to capture hot spots and progress	Use of on-the-go recycling facilities is maximised, and volume of litter is reduced	DJ/TB	No formal monitoring process in place; planned for 23/24
Ensure that regular waste audits of internal and external bins are carried out to better understand current and potential recycle rates, (ongoing)	Quarterly audit reports produced for internal and external recycling bins	Information derived from audits used to drive operational improvements	TB/LH	No regular audits currently carried out; planned for 23/24

Carry out quarterly bin condition surveys to ensure all external bins are fit for purpose (ongoing)	Quarterly bin condition survey carried out	All bins are fit for purpose and has good signage removing/ reducing the potential of cross contamination	TB/LH	Ongoing
Use supplier waste management data portal for ongoing monitoring and reporting of recycling rates (ongoing)	Access to live and accurate information on the supplier data portal	Regular review of the data captured within the portal to ensure we are minimising cost and collections	TB/TM/ LH	Ongoing; current issues with validity of data on portal have been highlighted
Implementation of waste league table, encouraging competition between Estates Operational Management Zones, by Mar 2022	Monthly waste league tables presented to Zonal Facility Managers and Duty Managers	League table showing improved recycling figures and behaviours across all zones and buildings	TB/TM/LH	No progress made; planned for 23/24
Introduce process to ensure that project managers determine potential for asset reuse via Warp-it during refurbishment works, by Dec 2022	Potential for asset reuse is addressed in refurbishment project management plans	Surplus assets are effectively shared across the University	TB/DD	No progress made; planned for 23/24
Update the waste management internet pages, by Sept 2022 and quarterly thereafter	Update completed	Waste management internet pages contain up-to date and relevant information for staff and students	TB/DG	Limited progress made; planned for 23/24
Improve print media to support the correct use of internal recycling bins (ongoing)	Number of recycling stations with improved signage	Engaging communications material ensures staff and students understand how to dispose of specific waste correctly	TB/RD	Ongoing
Provide improved repair facilities for students via GUEST (bikes, clothes, electronics), by Sept 2023	Number of students attending weekly repair workshops, annually	Students are aware of and use weekly repair workshops	GUEST coordinators / TB	Ongoing, with respect to bike repair

5.0 Impact on people and communities

Objective	KPI	What does good look like?	Owner	Progress
Share surplus resources with other public/3rd sector bodies in the city, by June 2022	Number of items shared with external organisations, annually	Vibrant reuse network with other public sector bodies and charities in Glasgow	TB	Ongoing
Develop a litter prevention action plan that supports action on litter prevention both on our estate and within our community, by Dec 2022	Litter prevention action plan produced	Reduced impact of litter, both on the estate and the wider community	TB	No progress made; planned for 23/24
Reinstate regular litter picks, both on campus and around the local community, Dec 2022	Monthly litter picks in place	Reduced impact of litter, both on the estate and the wider community	TB with GUEST/SRC	No progress made; planned for 23/24