

Middlesex University Waste Management Strategy and Plan 2023 - 2028

Introduction

The Bigger Picture

Waste Management is an important part of Middlesex University’s Environmental Strategy. However, it remains a small part of the overall Carbon Footprint. In 2017/2018, waste accounted for a very small percentage of the *Scope 3 Carbon Dioxide Emissions* (see Figure 1). Therefore, the focus of waste management has been to engage staff and students, while recognising its overall environmental impact.

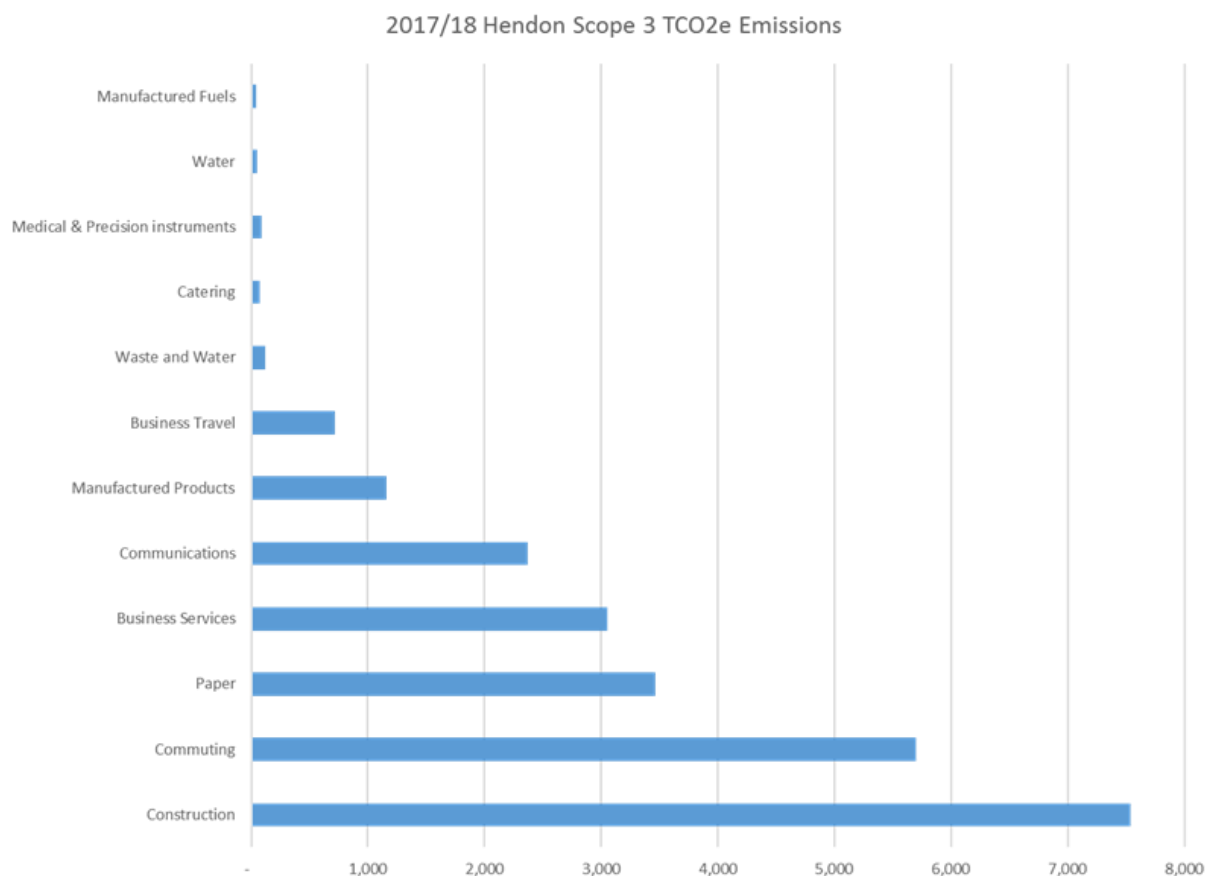


Figure 1 - Middlesex University Scope 3 Carbon Emissions

Overview

Our Progress So Far

The University introduced a uniform mixed recycling service in line with the DEFRA / Recycle Now colour schemes in 2014. This includes standardised mixed recycling and general waste bins in communal location, with all under desk bins removed.

Specialist recycling facilities were also introduced at this time for workshops, painting facilities, and the theatre. Additionally, compactors were hired for the waste yard to significantly reduce vehicle movements to and from the Campus.

These new recycling facilities, combined with improved communications and management of project waste, have improved recycling performance from around 50% to 60% from 2014 – 2019 (see Figure 2). This improvement has come at a detriment to overall waste.

Waste recycling 2017 - 2023 Hesa Data

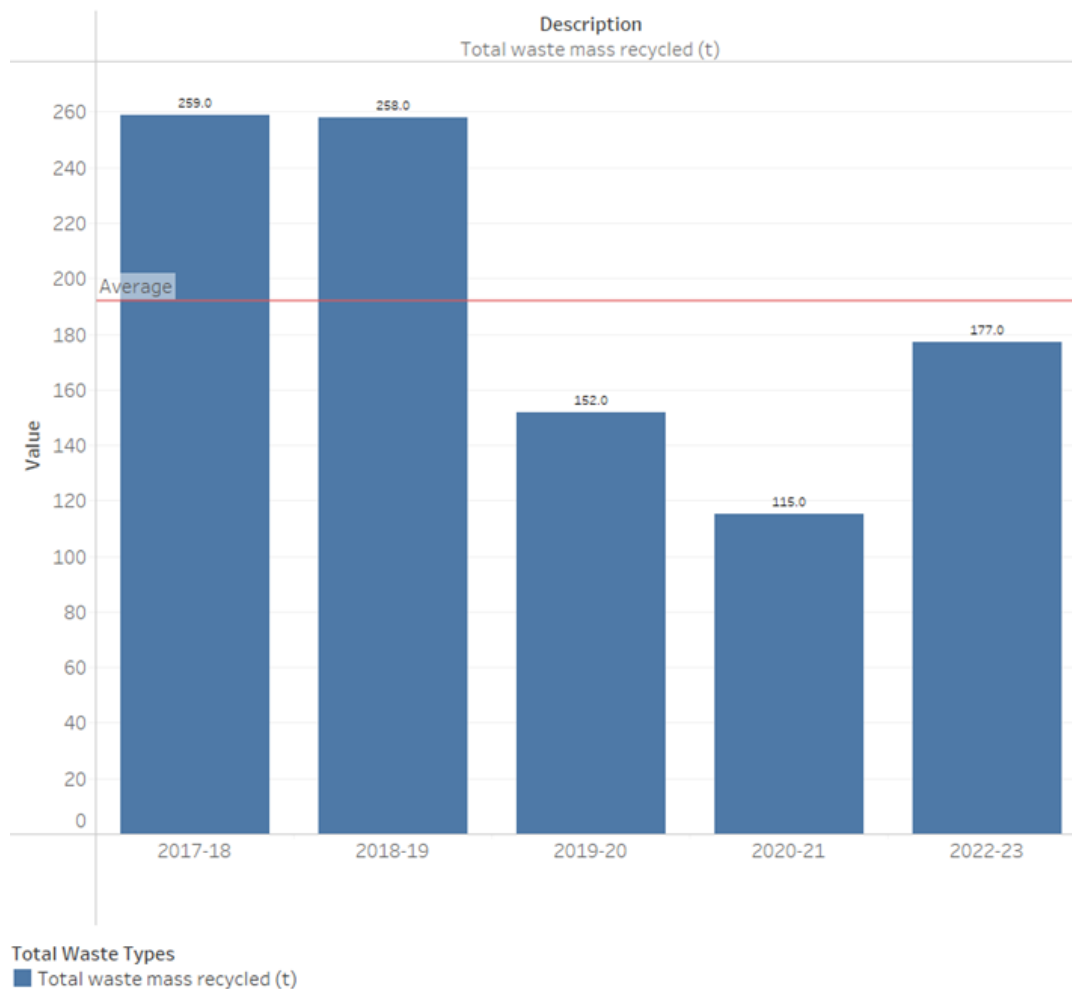


Figure 2 - Middlesex University Recycling Performance 2017 – 2023

Subsequently, additional facilities have been provided for food waste (staff kitchens), batteries, coffee cups (catering outlets), coffee pods (staff kitchens) and clothing (MDX House). Water bottle refill stations have also been provided (every building on campus grounds).

These additional recycling facilities have been well received by staff. However, proved difficult in some cases to engage students. They have also indirectly increased waste collected, as the addition of further waste streams has generated further waste collections (Figure 3).

Waste arisings 2017 - 2023 Hesa Data

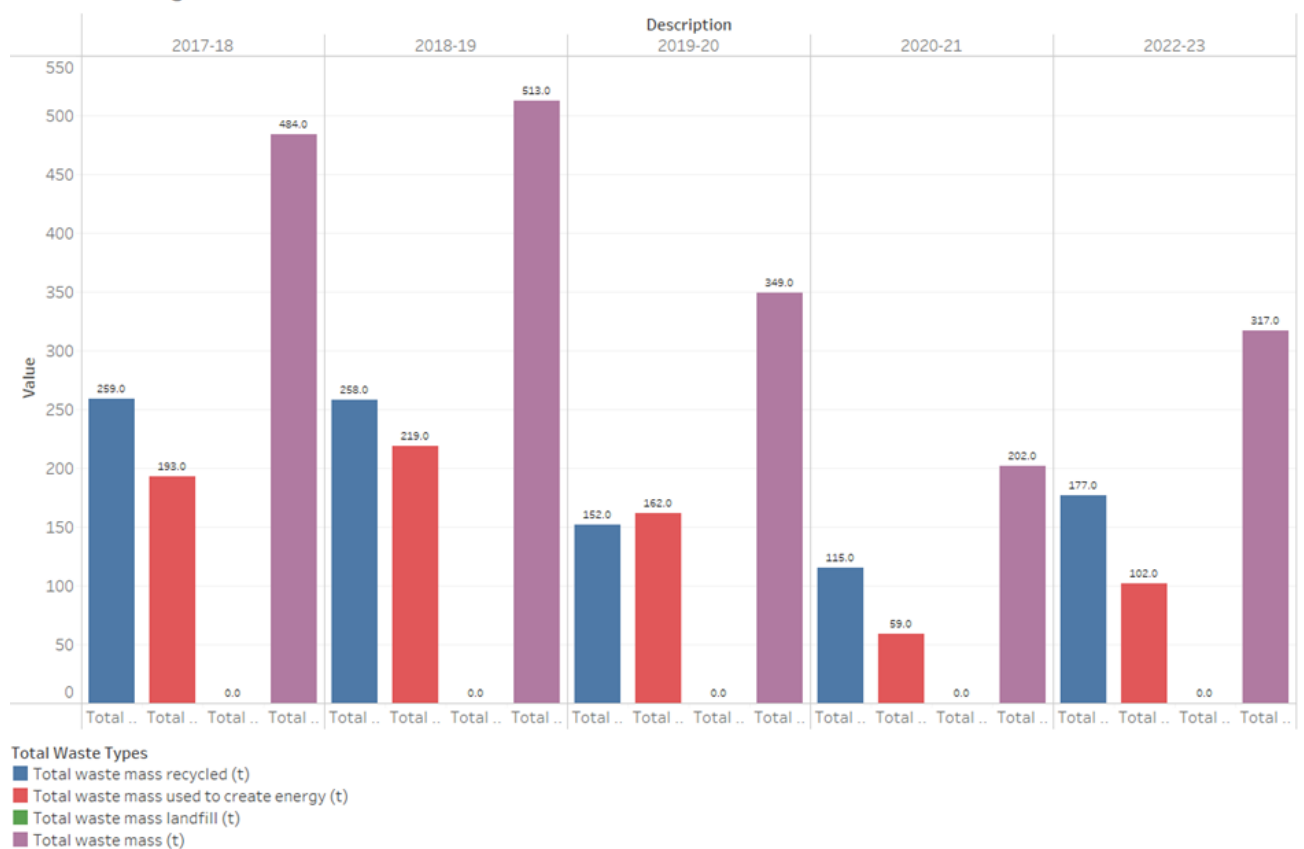


Figure 3 - Middlesex University Waste Arising's 2017 – 2023

Although engagement with specialist waste streams has been positive, insufficient participation by staff and students in mixed recycling processes continues to pose a significant challenge, even as efforts are made to foster a culture of responsible waste management among them.



Vision and Objectives

Vision

Middlesex University is committed to reducing, reusing and recycling waste in all possible areas, through engagement of staff and the student body.

Our vision is to create an environment where there are plenty of opportunities for re-using and recycling waste for both staff and students.

Recycling facilities are to be of high standard and meet staff and student needs where possible, within design and space constraints.

We aim to fully engage staff and students, providing high-quality recycling guides and feeding back regularly on recycling performance.

Objectives

Our objectives are:

- Reduce waste wherever practical through sound procurement.
- Re-use waste and provide opportunities for further re-use of waste.
- Recycle a minimum of 60% of waste and provide opportunities to further recycle waste.
- Send zero waste directly to the landfill.
- Provide food waste bins around the campus.

Targets

Our targets are:

- Recycle a minimum of 60% of all waste.
- Provide engaging and timely recycling guides.
- Provide engaging and timely feedback on recycling performance.

Action Plan

Action	How	When / Where	Owner
Waste Reduction Events	North London Waste Authority Food Waste Reduction	Termly, at the MDX House	Engagement and Comms
Waste Awareness Events	Event by Waste Contractor	Spring Term, in the College Building Quadrangle	Environment
Recycling Bins and Associated Signage	Bin Re-Fresh by Cleaning Contractor	Summer, within all buildings on campus	EFMS
Recycling Guides and Associated Information	Printed / Digital Recycling Guide	January, printed and displayed within all buildings on campus/distributed digitally to all staff members	
Feedback on Recycling Performance	Digital Recycling Feedback Poster	Monthly, displayed on the screens throughout the campus	

Monitoring Progress

Monitoring and Data Collection

In line with standard industry and DEFRA reporting metrics, waste performance will be measured by the cleaning contractor on a monthly basis. It should include but not be limited to:

- Total Waste
- Waste Recycled
- Waste Recovered
- Waste Landfilled

Waste performance will be reported to the Environmental Steering Group as well as staff and students monthly. It will be published annually in *MDX in numbers*.



Appendix 1: Waste Management Service Provision

Waste Services on Campus

	Service	Areas		Comments
All Areas	Mixed Recycling			
	General Waste			
	Confidential Waste			
Catering	Coffee Cups			Not managed by Chartwells
	Mixed Recycling	MDX house		5 bins
	General Waste			
	Food	Quad, Grove, LSS		1 bin in each area
Workshops	Wood			
	Metal			
	Oily Rags			
	Paints			
	Solvents			
Staff Kitchens	Mixed Recycling	Hospitality		None
		MDX Kitchen MDX		1 bin
		Basement		2 bins
	General Waste	Hospitality		2 bins
		MDX Kitchen MDX		3 bins
		Basement		2 bins
	Food Waste	Hospitality MDX		1 bin
Kitchen MDX			1 bin	
Basement			2 bins	

	Coffee PODS	None		None
Mechanical and Electrical	Mixed Recycling			
	General Waste			
	WEEE			

Services Not Provided

Service	Justification
Crisp Packets	No environmental / commercial benefit
Garden Waste	All garden waste removed by landscaping – compost bins provided for staff / student allotments

College Building and Quadrangle

Cups



General Waste and Recycling



College Building / Grove Building / Williams Building / Fenella Building - General Areas and Offices

General Waste and Recycling





Sheppard Library/ Ritterman Building – General Areas and Offices

Confidential Waste



General / Mixed Recycling



Sheppard Library

Printing Hubs



Staff Kitchens / Rest Areas

Food Waste



Batteries



Coffee Pods



Bottle tops



Guide to Recycling at Middlesex University

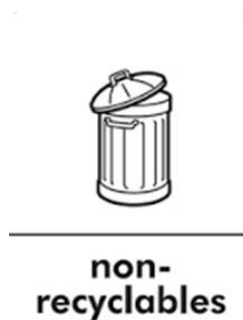
Dry Mixed Recycling:

- Paper
- Cardboard
- Plastic Bottles
- Glass
- Cans
- Coffee Cups
- Sandwich Boxes



General Waste:

- Carrier Bags
- Stationery
- Food wastes
- Crisp Packets



Other Waste:



Confidential Waste:

Use bins or contact *Unicare* for bag and collection.



Wood and Timber:

Contact *Unicare* for disposal.



Batteries:

Contact *Unicare* for disposal of dry cell batteries.



Metal:

Contact *Unicare* for disposal.



Electronic Equipment:
Contact *Unicare* for disposal.



Food Waste:
Use bins or dispose at catering outlets.

Where Does Middlesex University Waste Go?

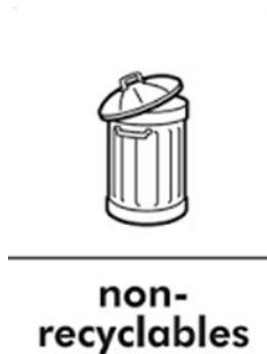
Dry Mixed Recycling:

- Recyclables are separated at a material recovery facility and then sent to specialist recycling companies.



General Waste:

- Waste is disposed of via an energy from waste facility that generates electricity to power the national grid.



Other Waste:



Confidential Waste:
Paper is shredded in a secure facility then recycled.



Wood and Timber:
Wood is separated then recycled.



Batteries:
Batteries are dismantled then recycled.



Metal:
Metal is separated then recycled.



Electronic Equipment:
Electronic equipment is dismantled then recycled.



Food Waste:
Food is anaerobically digested to make electricity for the National Grid.