


Appendix 6 – Waste Breakdown & Completed Projects

The total amount of operational waste produced in 2022/23 academic year was 803,486kg, which equated to 40.6kg per person (from 19,803 FTE staff and students).

The table below shows the amount of operational waste generated for each element of the Waste Hierarchy.

| Operational Waste Weights 2022/23 | | |
|-----------------------------------|---------------------|--------------------|
| Waste Hierarchy element | Overall Weight (kg) | Overall Percentage |
| Reused or Repaired | 22,115 | 2.8% |
| Sent for Recycling | 378,281 | 47.1% |
| Food to Anaerobic Digestion | 90,953 | 11.3% |
| Sent for Composting | 8,840 | 1.1% |
| Made into Biofuel | 2,776 | 0.3% |
| Energy from Waste Recovery | 284,716 | 35.4% |
| Sent for Incineration | 6,490 | 0.8% |
| Sent to Landfill | 9,315 | 1.2% |
| Total Waste | 803,486 | 100.0% |


 Increasing environmental impact

Financial Investments:

2022/23 saw an investment of £11,867 in waste facilities improvements.

Financial Savings:

The re-use of furniture and other items via the Warp-it platform in 2022/23, has saved the University £27,215 in waste disposal and procurement costs.

Since the 2015/16 baseline year, the strategic waste management activities have delivered cumulative savings of £1,015,000 against the predicted 'business as usual' costs (excluding hazardous waste). This is mainly down to three reasons: long-term trends in reducing the amount of waste generated; over-estimates of increases in waste costs which have not materialised within this timeframe; and the reduction in waste generated due to the COVID-19 shutdown at the University during 2020 and 2021. £170,000 of these savings were delivered in 2022/23.

Waste management projects undertaken in 2022/23

| Implementation | Location | Description | Cost (inc. VAT) |
|---|-------------------------------------|--|----------------------------------|
| October 2022 | Whiteknights and London Road campus | Internal bin improvements and replacements | £1,531 |
| November 2022 | University-wide | A three-year Waste & Resource Use Delivery Plan was published to enact and monitor the Waste & Resource Use Strategy 2021-30 | Included in staffing costs |
| February 2023 | Off-campus accommodation | Food waste collections commenced at 35 Upper Redlands Road accommodation | Included in waste disposal costs |
| March 2023 | Catering locations University-wide | Install collection facilities for drinks cartons (e.g. TetraPak) so that they can be collected and sent for recycling | Included in waste disposal costs |
| April 2023 | Whiteknights campus | Food waste caddies provided, and collections commenced in Food & Nutritional Sciences areas | £68 |
| May 2023 | Whiteknights | Storage for Warp-IT furniture reuse scheme moved from Marsden Shed to Elmhurst Barn, due to demolition for ECMWF project | Included in staffing costs |
| July 2023 | Whiteknights & Northcourt Halls | Replacing external recycling bins around UPP Halls, including updated graphics and installation | £9,903 |
| Additional labour charges for all projects | | | £365 |
| Grand total for recycling projects in 2022/23: | | | £11,867 |