



Waste Composition Analysis

National Theatre – Production
April 2023

Audit Overview

The waste audit shows that the recycling rate could have been **89%** in March, if all of your waste and recycling had been diverted through the correct recycling streams³.

Your General waste audit showed that only 69% of material present was general waste. The remaining 21% could have been recycled in some way.

Your Plastic, cans and plastic containers (PCPC) Audit showed that 91% of material present was PCPC. The remaining 9% should be disposed of via alternative disposal routes.





Introduction

On 11/04/2023, Recorra carried out an audit on the general waste and mixed recycling sacks from National Theatre - Production

The audit aimed to identify and quantify what material is going into each stream. Then we can make recommendations so specific improvements can be made. This will lead to an increased recycling rate.

Current performance:

Reported¹ performance as of March:



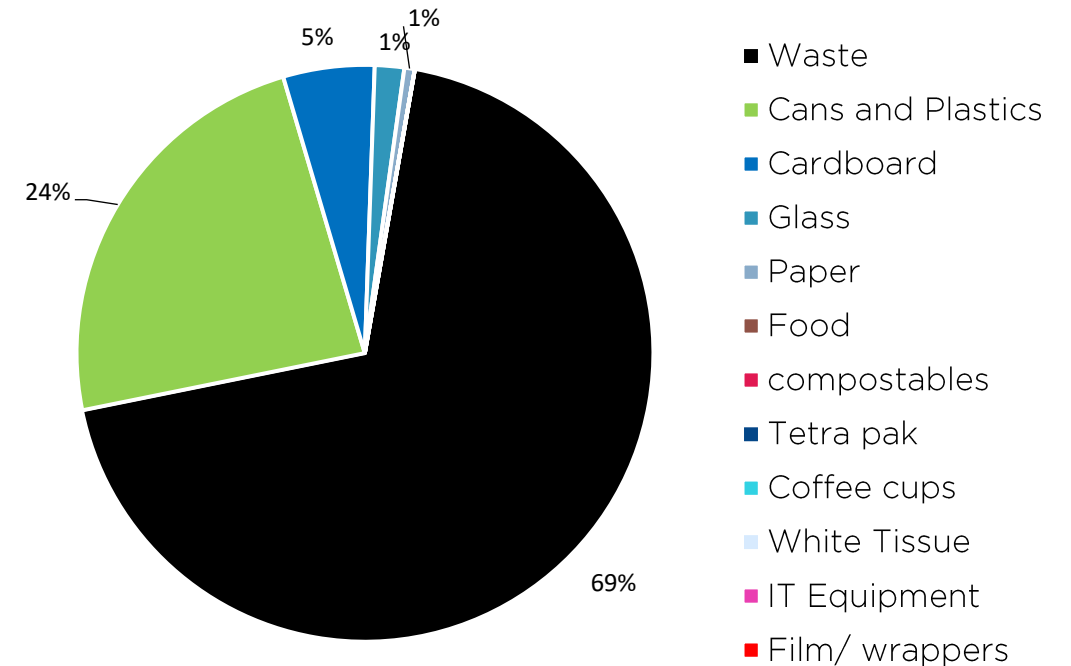
Actual² performance based on composition audit:



General waste

From this audit we can see that only 69% of the material found was actually general waste.

Material	Weight (kg)	% of sample
Waste	15.5	69.0%
Cans and Plastics	5.3	23.6%
Cardboard	1.15	5.1%
Glass	0.37	1.6%
Paper	0.13	0.6%
Food	0	0.0%
compostables	0	0.0%
Tetra pak	0	0.0%
Coffee cups	0	0.0%
White Tissue	0	0.0%
IT Equipment	0	0.0%
Film/ wrappers	0	0.0%
Total	22.45	100%



General waste



Calculator



Cans, Aluminium and metals



Glass



Paper

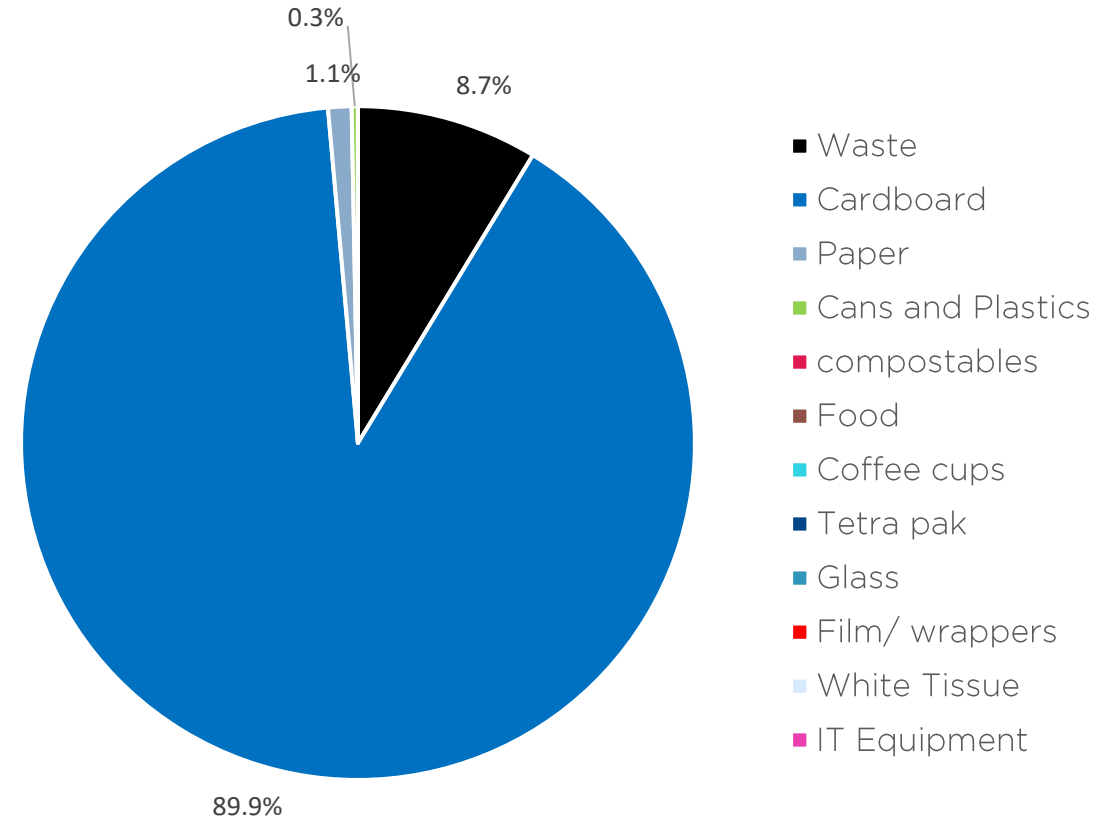


Plastics

Paper, cans & plastic containers

From this audit we can see that 91% of the material found was actually Paper, Cans & Plastic containers..

Material	Weight (kg)	% of sample
Waste	1.16	9%
Cardboard	12.00	90%
Paper	0.15	1%
Cans and Plastics	0.04	0%
compostables	0.00	0%
Food	0.00	0%
Coffee cups	0.00	0%
Tetra pak	0.00	0%
Glass	0.00	0%
Film/ wrappers	0.00	0%
White Tissue	0.00	0%
IT Equipment	0.00	0%
Total	13.35	100%





Recommendations

Educate staff

9% of the mixed recycling sample was incorrectly placed in this stream, alongside 21% of the general waste sample being incorrectly placed.

Based on the high level of material in the wrong bins, we would recommend undertaking activities to engage with staff.

National theatre – Production could also take advantage of engagement activities such as back of house training and revitalising Green Teams.



Recommendations

Introduce a SustainABLE Box

Created to capture all your hard-to-recycle items, we'll give them a new life to the items often found at National theatre - Production, recycling them using our network of trusted and vetted service partners.

We have a growing list of items that can be recycled in a SustainABLE Box, including crisp packets, coffee pods, snack wrappers, PPE, and plastic film.

Contact your Account Manager if you are interested in this service.



Recommendations

SustainABLE Procurement

For the first time, it is now incredibly easy to switch to more sustainable alternatives. Our team of experts have curated a selection of over 2,000 products based upon a criterion including: recycled content, ethical supply chains and environmental credentials.

Our [ecommerce site](#) has been reconfigured to show you these products first, to help improve your social and environmental footprint, whilst still giving you access to all the products you may ever need.

Methodology



The following took place on 11/04/2023:

The auditor randomly selected bags each from general waste and mixed recycling from the audit bins.

The auditor weighed the sacks, before segregating each waste stream found within the sacks accordingly.

Each stream was subsequently weighed individually in kilos and the data recorded.

Data on waste production was collated and results are presented in this document.

Notes

¹ This figure is what the recycling rate is at collection. This does not include any contamination that is sorted out at the Material Recovery Facility. This is based on either actual or estimated weights of the contents placed in the recycling bin.

² This figure is what the audit shows, considering the contamination found in the recycling. This does not include the recyclables found in the waste, as this would continue to be sent to an EfW facility and not recycled.

³ This figure assumes that 100% of the material placed in the card, food and glass streams is recyclable and free from contamination. This is your optimal recycling rate, based on the results of the waste audit, which have been extrapolated across the whole building.