

Classification: Official

Publication reference: PR2159_v



Waste planning tool guidance

January 2023

Introduction

- This document is to be read alongside “Waste carbon reduction tool” and provides guidance on its use.
- The following pages in this document provide a breakdown of the content included within each tab of the tool. These are:

- Overview

Overview

- Trust Summary

Trust Summary

- Site Summary

Site Summary

- Trust waste tool

Trust waste tool


- Site waste tool

Site waste tool

Overview





- This Overview tab outlines the purpose of the tool, its contents, and provides information on the data and calculations used.
- Populate the name and email addresses of your waste and sustainability managers in the below boxes:

Enter name of waste manager:	Enter email address of waste manager:	Enter name of sustainability manager:	Enter email address of sustainability manager:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



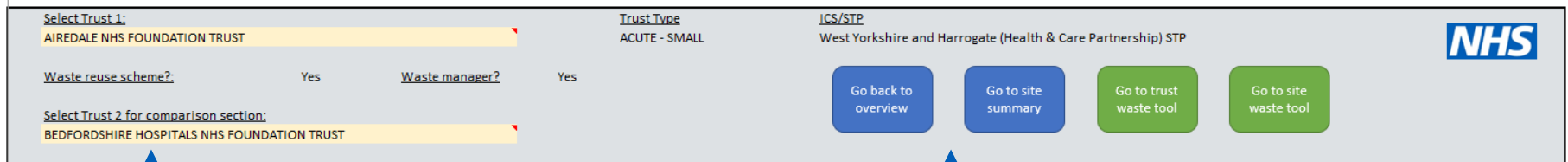
- The below section describes the 4 other tabs. The coloured rectangles can be clicked on to take you to that tab.

Contents
Click below buttons to go to the sections:

	This sheet outlines the current tonnes of waste produced by the selected trust. It also outlines the cost and carbon savings associated with: 1) Improving segregation of waste so that the percentage split of Incineration, Alternative Treatment and Offensive waste is 20:20:60 2) Removing domestic landfill waste and instead sending to domestic incineration.
	This sheet outlines the current tonnes of waste produced by the selected site. It also outlines the cost and carbon savings associated with: 1) Improving segregation of waste so that the percentage split of Incineration, Alternative Treatment and Offensive waste is 20:20:60 2) Removing domestic landfill waste and instead sending to domestic incineration.
	This interactive tool should be used to create a 5 year plan of improved waste segregation, and shows the associated cost and carbon savings. The columns on the left show the current tonnes of waste and cost by waste type. The columns on the right show the tonnes of waste, cost and carbon savings for the adjusted waste segregation.
	This interactive tool should be used to create a 5 year plan of improved waste segregation, and shows the associated cost and carbon savings. The columns on the left show the current tonnes of waste and cost by waste type. The columns on the right show the tonnes of waste, cost and carbon savings for the adjusted waste segregation.

Trust summary

- The Trust Summary tab outlines the current tonnes of waste produced by the selected trust. It also outlines the cost and carbon savings associated with:
 - Improving segregation of waste so that the percentage split of high temperature incineration alternative treatment and offensive waste is 20:20:60
 - Removing domestic landfill waste and instead sending to domestic incineration.



The screenshot shows a web interface for the Trust Summary. It features a top navigation bar with the NHS logo on the right. The main content area includes:

- Select Trust 1:** A dropdown menu currently showing "AIREDALE NHS FOUNDATION TRUST".
- Trust Type:** A label "ACUTE - SMALL".
- ICS/STP:** A label "West Yorkshire and Harrogate (Health & Care Partnership) STP".
- Waste reuse scheme?:** A label with a "Yes" option.
- Waste manager?:** A label with a "Yes" option.
- Select Trust 2 for comparison section:** A dropdown menu currently showing "BEDFORDSHIRE HOSPITALS NHS FOUNDATION TRUST".
- Navigation buttons:** Four buttons are located on the right side: "Go back to overview" (blue), "Go to site summary" (blue), "Go to trust waste tool" (green), and "Go to site waste tool" (green).

Use the top dropdown to select your trust (trust 1) from the list. You will be able to see the waste segregation and savings associated with the 2 targets mentioned above for this trust.


Use the bottom dropdown to select a trust (trust 2) to compare your current waste segregation against.

Navigate to the other tabs using these buttons

Site summary

- The Site Summary tab outlines the current tonnes of waste produced by the selected site. It also outlines the cost and carbon savings associated with:
 - Improving segregation of waste so that the percentage split of high temperature incineration, alternative treatment, and offensive waste is 20:20:60
 - Removing domestic landfill waste and instead sending to domestic incineration.

<u>Select Site 1:</u> 1 BEATRICE PLACE	<u>Trust Name</u> CENTRAL AND NORTH WEST LONDON NHS FOUNDATION TRUST	<u>Site Type</u> Mental Health (including Specialist services)	<u>ICS/STP</u> North West London Health & Care Partnership STP
<u>Select Site 2 for comparison section:</u> 1-5 HEATHER CLOSE	<u>Trust Name</u> SOUTH LONDON AND MAUDSLEY NHS FOUNDATION TRUST	Go back to overview	Go to trust summary
		Go to trust waste tool	Go to site waste tool



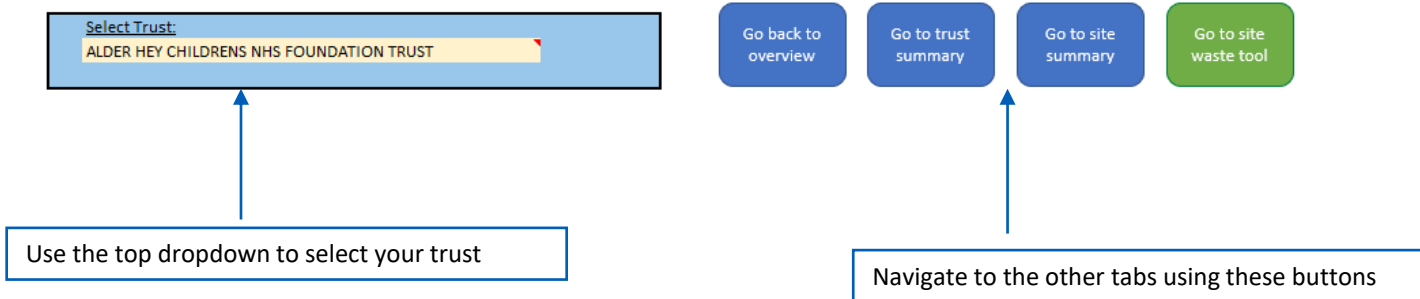
Use the top dropdown to select your site (site 1) from the list. You will be able to see the waste segregation and savings associated with the 2 targets mentioned above for this trust.

Use the bottom dropdown to select a site (site) to compare your current waste segregation against.

Navigate to the other tabs using these buttons

Trust waste planning tool (1)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.



Waste stream	2020-21 (default) Cost per tonne	Manual Cost per tonne	Cost per tonne used for forecasting
Incineration (clinical waste)	539		Default
Alternative Treatment (clinical waste)	323		Default
Offensive waste	855		Default
Clinical waste processed on site (excluding incineration)	430		Default
Domestic waste (landfill)	147		Default
Domestic waste (recycling)	18		Default
Domestic waste (food)	136		Default
Domestic waste (textiles)	395		Default
Domestic waste (incineration)	171		Default
Domestic waste processed on site (excluding incineration)	150		Default
Confidential waste	11		Default

These figures are used to calculate an estimate of the future cost of improved waste segregation. By default, the trust level cost per tonne from ERIC 2020-21 is used (in the blue column). If you wish to use updated cost per tonne figures, type this in the "Manual cost per tonne" column and select "Manual" instead of Default.

Trust waste planning tool (2)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.

ERIC 2020-21 data		Trust 5 year planned waste tonnage				
Enter planned waste tonnage in the yellow boxes >>						
Waste stream	Waste volume (Tonnes)	2022	2023	2024	2025	2026
Incineration (clinical waste)	41.2					
Alternative Treatment (clinical waste)	261.0					
Offensive waste	48.4					
Clinical waste processed on site (excluding incineration)	0.0					
Domestic waste (landfill)	3.0					
Domestic waste (recycling)	2,220.0					
Domestic waste (food)	0.0					
Domestic waste (textiles)	0.0					
Domestic waste (incineration)	464.0					
Domestic waste processed on site (excluding incineration)	0.0					
Confidential waste	7,294.5					
Total	10,332.1	0.0	0.0	0.0	0.0	0.0

Current volume of waste reported in ERIC 2020-21

Enter planned future waste volume **in tonnes**

Trust waste planning tool (3)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.

Waste stream	Cost (£)	2022	2023	2024	2025	2026
Incineration (clinical waste)	22,209	0	0	0	0	0
Alternative Treatment (clinical waste)	84,251	0	0	0	0	0
Offensive waste	41,373	0	0	0	0	0
Clinical waste processed on site (excluding incineration)	0	0	0	0	0	0
Domestic waste (landfill)	441	0	0	0	0	0
Domestic waste (recycling)	39,000	0	0	0	0	0
Domestic waste (food)	0	0	0	0	0	0
Domestic waste (textiles)	0	0	0	0	0	0
Domestic waste (incineration)	79,350	0	0	0	0	0
Domestic waste processed on site (excluding incineration)	0	0	0	0	0	0
Confidential waste	81,550	0	0	0	0	0
Total	348,174	0	0	0	0	0
Total cost saving vs 2021 (£):		-348,174	-348,174	-348,174	-348,174	-348,174

NB: A negative saving is a reduction in cost.

Waste stream	Volume ratio	2022	2023	2024	2025	2026
Incineration (clinical waste)	12%	0%	0%	0%	0%	0%
Alternative Treatment (clinical waste)	74%	0%	0%	0%	0%	0%
Offensive waste	14%	0%	0%	0%	0%	0%

Emission savings vs 2021 (tCO2e)	2022	2023	2024	2025	2026
Incineration (clinical waste)	-44.3	-44.3	-44.3	-44.3	-44.3
Alternative Treatment (clinical waste)	-148.5	-148.5	-148.5	-148.5	-148.5
Offensive waste	-12.1	-12.1	-12.1	-12.1	-12.1
Clinical waste processed on site (excluding incineration)	0.0	0.0	0.0	0.0	0.0
Total clinical waste	-204.8	-204.8	-204.8	-204.8	-204.8
Domestic waste (landfill)	-1.3	-1.3	-1.3	-1.3	-1.3
Domestic waste (recycling)	-47.3	-47.3	-47.3	-47.3	-47.3
Domestic waste (food)	0.0	0.0	0.0	0.0	0.0
Domestic waste (textiles)	0.0	0.0	0.0	0.0	0.0
Domestic waste (incineration)	-9.9	-9.9	-9.9	-9.9	-9.9
Domestic waste processed on site (excluding incineration)	0.0	0.0	0.0	0.0	0.0
Confidential waste	-155.3	-155.3	-155.3	-155.3	-155.3
Total domestic waste	-213.8	-213.8	-213.8	-213.8	-213.8

NB: A negative saving is a reduction in carbon emissions.

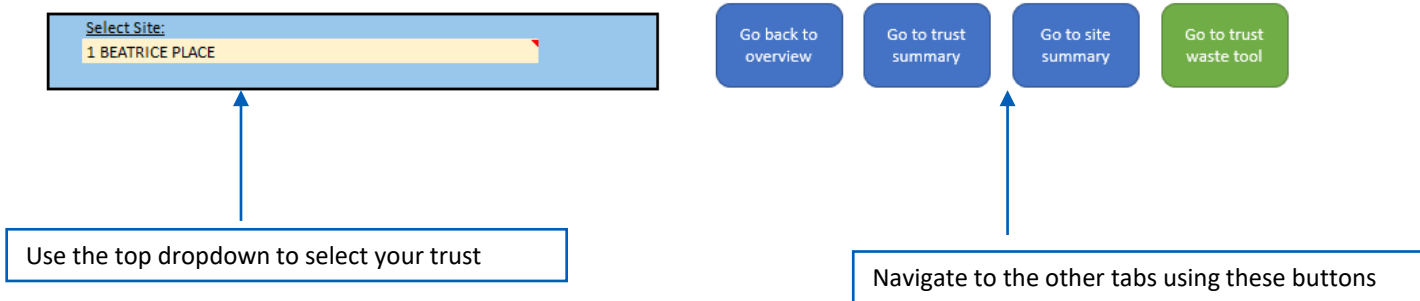
This table shows the current cost of waste from ERIC 2020-21. The columns to the right show the planned estimated costs.

This table shows the current volume ratio of clinical waste. The columns to the right show the planned ratios.

This table shows the emission savings associated with the planned waste segregation.

Site waste planning tool (1)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.



Waste stream	2020-21 (default) Cost per tonne	Manual Cost per tonne	Cost per tonne used for forecasting
Incineration (clinical waste)	873		Default
Alternative Treatment (clinical waste)	488		Default
Offensive waste	415		Default
Clinical waste processed on site (excluding incineration)	430		Default
Domestic waste (landfill)	244		Default
Domestic waste (recycling)	180		Default
Domestic waste (food)	151		Default
Domestic waste (textiles)	299		Default
Domestic waste (incineration)	182		Default
Domestic waste processed on site (excluding incineration)	163		Default
Confidential waste	426		Default

These figures are used to calculate an estimate of the future cost of improved waste segregation. By default, the trust level cost per tonne from ERIC 2020-21 is used (in the blue column). If you wish to use updated cost per tonne figures, type this in the "Manual cost per tonne" column and select "Manual" instead of Default.

Site waste planning tool (2)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.

ERIC 2020-21 data	Site 5 year planned waste tonnage
-------------------	-----------------------------------

Enter planned waste tonnage in the yellow boxes >>

Waste stream	Waste volume (Tonnes)	2022	2023	2024	2025	2026
Incineration (clinical waste)	0.0					
Alternative Treatment (clinical waste)	0.0					
Offensive waste	0.3					
Clinical waste processed on site (excluding incineration)	0.0					
Domestic waste (landfill)	0.0					
Domestic waste (recycling)	5.3					
Domestic waste (food)	0.0					
Domestic waste (textiles)	0.0					
Domestic waste (incineration)	11.3					
Domestic waste processed on site (excluding incineration)	0.0					
Confidential waste	1.5					
Total	18.4	0.0	0.0	0.0	0.0	0.0

Current volume of waste reported in ERIC 2020-21

Enter planned future waste volume in tonnes

Site waste planning tool (3)

- This interactive tool should be used to create a 5-year plan of improved waste segregation, and shows the associated cost and carbon savings.

Waste stream	Cost (£)	2022	2023	2024	2025	2026
Incineration (clinical waste)	0	0	0	0	0	0
Alternative Treatment (clinical waste)	0	0	0	0	0	0
Offensive waste	108	0	0	0	0	0
Clinical waste processed on site (excluding incineration)	0	0	0	0	0	0
Domestic waste (landfill)	0	0	0	0	0	0
Domestic waste (recycling)	950	0	0	0	0	0
Domestic waste (food)	0	0	0	0	0	0
Domestic waste (textiles)	0	0	0	0	0	0
Domestic waste (incineration)	2,053	0	0	0	0	0
Domestic waste processed on site (excluding incineration)	0	0	0	0	0	0
Confidential waste	639	0	0	0	0	0
Total	3,750	0	0	0	0	0
Total cost saving vs 2021 (£):		-3,750	-3,750	-3,750	-3,750	-3,750

NB: A negative saving is a reduction in cost.

Waste stream	Volume ratio	2022	2023	2024	2025	2026
Incineration (clinical waste)	0%	0%	0%	0%	0%	0%
Alternative Treatment (clinical waste)	0%	0%	0%	0%	0%	0%
Offensive waste	100%	0%	0%	0%	0%	0%

Emission savings vs 2021 (tCO2e)	2022	2023	2024	2025	2026
Incineration (clinical waste)	0.0	0.0	0.0	0.0	0.0
Alternative Treatment (clinical waste)	0.0	0.0	0.0	0.0	0.0
Offensive waste	-0.1	-0.1	-0.1	-0.1	-0.1
Clinical waste processed on site (excluding incineration)	0.0	0.0	0.0	0.0	0.0
Total clinical waste	-0.1	-0.1	-0.1	-0.1	-0.1
Domestic waste (landfill)	0.0	0.0	0.0	0.0	0.0
Domestic waste (recycling)	-0.1	-0.1	-0.1	-0.1	-0.1
Domestic waste (food)	0.0	0.0	0.0	0.0	0.0
Domestic waste (textiles)	0.0	0.0	0.0	0.0	0.0
Domestic waste (incineration)	-0.2	-0.2	-0.2	-0.2	-0.2
Domestic waste processed on site (excluding incineration)	0.0	0.0	0.0	0.0	0.0
Confidential waste	0.0	0.0	0.0	0.0	0.0
Total domestic waste	-0.4	-0.4	-0.4	-0.4	-0.4

NB: A negative saving is a reduction in carbon emissions.

This table shows the current cost of waste from ERIC 2020-21. The columns to the right show the planned estimated costs.

This table shows the current volume ratio of clinical waste. The columns to the right show the planned ratios.

This table shows the emission savings associated with the planned waste segregation.