

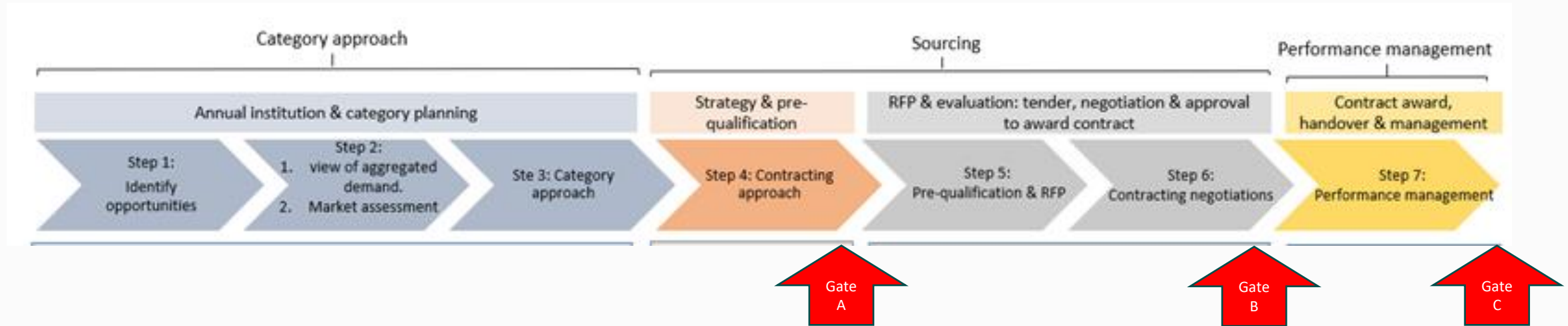
Hazardous Waste

Department Safety Officer
Update – 14.12.23

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Strategic Sourcing Category Manager
Central Procurement Services

How do we buy things?

Tender Process



Governance Steps for Procurement activities

Gate A - Agreement on how are we going to approach the market

Gate B - Agreement and approval to award contract

Gate C - Lessons learnt

We are governed by the University's Financial regulations:

Value for money: delivered via competition

UofC Contract terms

Hazardous Waste Tender

Hazardous Waste Tender Lots:

1. Chemical hazardous waste
2. Bio-hazardous/offensive waste incl. non-returnable SHARPS bins
3. Returnable SHARPS bin service
4. Radioactive waste
5. WEEE waste including fluorescent tubes, fridges & freezers, and air con units

Go Live Date: 1st August 2023

The Key Targetted Benefits of the Framework:

1. Improvement in safety and environmental compliance
2. Improvement in service levels with bespoke KPIs
3. Cost savings over current costs, competitive pricing and cost control
4. Improvement in scope 3 supply chain measurement and performance
5. Training plans and signage included to support and embed good practice

Lot 1 Chemical Hazardous Waste

Key tender process steps and outcome

Step 1: RFP Tender and results

Tender Ref	UCAM22-038							
Tender Name	Hazardous and Specialist Waste Framework: Lot 1 Chemical Hazardous Waste							
No. of suppliers	7							
Evaluators	MG, AH, RT, AJ, CC, AB							
Tenderer No	Tenderer Name	Specification (A)	Price B (part 1)	Price B (part 2)	Account Management C	Sustainability D	Total Score	Rank
1	Acumen Waste Services Ltd	19.7	17.2	4.0	17.3	14.4	72.67	2
2	Axii Integrated Services Ltd	15.7	15.1	2.4	15.6	12.2	60.92	6
3	Biffa Waste Services Ltd	20.3	14.8	3.1	15.3	15.1	68.61	5
4	Cleansing Services Group	19.9	16.9	4.6	17.3	13.8	72.52	3
5	Novus Environmental Services	9.7	14.8	1.0	15.0	11.8	52.24	7
6	Tradebe Environmental	20.1	18.1	2.5	17.7	12.1	70.44	4
7	Veolia ES (UK) Limited	19.1	20.0	4.8	18.6	14.9	77.37	1
Criteria No	Award Criteria	Weighting (%)						
1	SPECIFICATION SECTION A	25						
2	PRICE SECTION B (PART 1)	20						
3	PRICE SECTION B (PART 2)	5						
4	SECTION C : ACCOUNT MANAGEMENT	25						
5	SECTION D: SUSTAINABILITY	25						
	Total	100						

Step 3: Audits completed by Audit Team (MG, AH, RT, CC, AB)

- 1.Biffa – the incumbent supplier (audit deemed not necessary)
- 2.Tradebe – audit/meeting completed on 13th February at Transfer Stn. Hinckley, Leics.
- 3.Veolia – audit completed on 14th February at Transfer Stn Stewartby, Bedford MK43 9LY

Outcome of process: we negotiated the best deal with Tradebe and completed Waste Hierarchy Map analysis and got support to appoint Tradebe

Step 2: Interview Results

Interviews held at GH on 8th February with 5 suppliers:

Acumen, Biffa, CSG, Tradebe, Veolia

Interview UofC Attendees: MG, AH, RT, CC, AB

Result: the Evaluation Team has decided to eliminate Acumen and CSG from the process.

Audit ranking by stakeholders

RANKING OF SUPPLIERS (1 = 1ST POSITION)					
	MG	AH	RT	CC	AB
Biffa	2	2	2	3	3
Tradebe	1	1	1	1	1
Veolia	3	3	2	2	2

Lot 1: Chemical Hazardous Waste Tradebe offer

The Service Provision:

- Service will clear all hazardous waste stores by providing a regular milk-round collection service
- Embedded chemists will be supported and managed by Tradebe Technical Services Manager.
- Tradebe will act as an agent for the University thereby enabling the on-site chemists to manage paperwork changes efficiently and in compliance with legislation.
- Provision of HazWaste Box service for colleges.
- Training, materials and signage will be provided at no extra cost to embed good practice.

Pricing:

- Agreement on pricing reached showing a cost reduction of 1% over current costs and 8% over Biffa (incumbent supplier) tender pricing.
- Prices valid for first 12 months
- Annual price review based on open-book costing provided and key indices.

Account Management:

- Detailed Mobilisation Plan to cover May, June, July with a go-live 1st August 2023
- Quarterly Management Meetings
- Management information: monthly reports from 1st August. Portal will be available from Q3 2023.
- Quarterly EA reports available by department
- Key Performance Indicators to include On Time Collection performance, Cost of service per kg, and “Uncollected Waste remaining in Stores” measure.

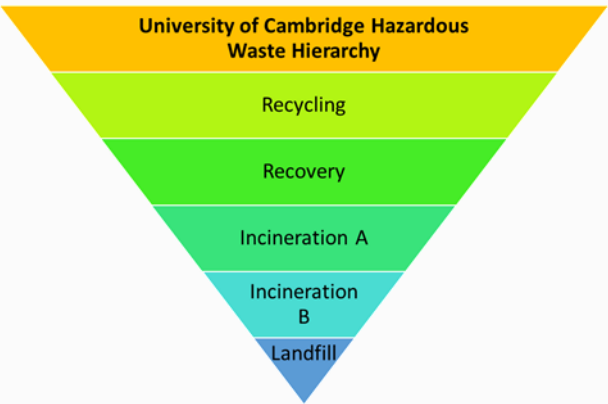
Sustainability:

- CO2 emission reporting will commence from 1st August 2023.
- Waste Hierarchy Map analysis shows Tradebe will improve our sustainability performance when compared with the incumbent supplier.

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Lot 1 Hazardous Waste Hierarchy Map

The Hierarchy:



The Hierarchy Definition :

Process	Waste Hierarchy Definition
Recycling	e.g. Chemical recycling - recycling of waste into materials with other chemical properties
Recovery	Waste treatment for material to be used as solid, liquid or gaseous fuels
Incineration A	Incineration with a high level of energy recovery
Incineration B	With no or low level energy recovery
Landfill	Landfill

Tradebe’s waste hierarchy map vs

Biffa’s: Supplier	Biffa	Tradebe
Waste by weight	%	%
Recycling	0.0	0.0
Recovery	0.0	96.2
Incineration A	0.0	0.0
Incineration B	100.0	3.8
Landfill	0.0	0.0
Total	100.0	100.0
Waste by volume	%	%
Recycling	23.1	25.7
Recovery	62.0	72.4
Incineration A	0.0	0.0
Incineration B	14.8	1.9
Landfill	0.0	0.0
Total	100	100.0

Conclusion:

Tradebe’s solution delivers a much more sustainable solution, with higher levels of recycling and recovery.

Summary of Haz Waste tender

Preferred suppliers appointed to the Framework:

Lot 1 Chemical Hazardous Waste:	Labware Ltd t/a Tradebe
Lot 2 Bio-hazardous Waste:	Sharpsmart Ltd
Lot 3 Returnable Sharps Bins:	Sharpsmart Ltd
Lot 4 Radioactive Waste:	Grundon Waste Management Limited
Lot 5 WEEE Hazardous waste*:	Labware Ltd t/a Tradebe

*this does not include IT or non-hazardous WEEE waste