



Environmental Impact Assessment [version 1.0]

Proposal title: Bristol Waste Company Limited Business Plan 2024/25 – 26/27		
Project stage and type: <input type="checkbox"/> Initial Idea Mandate <input type="checkbox"/> Outline Business Case <input type="checkbox"/> Full Business Case		
<input type="checkbox"/> Policy <input checked="" type="checkbox"/> Strategy <input type="checkbox"/> Function <input type="checkbox"/> Service <input type="checkbox"/> Other [please state]	<input type="checkbox"/> New <input checked="" type="checkbox"/> Already exists / review	<input type="checkbox"/> Changing
Directorate: N/A	Lead Officer name: N/A	
Service Area: N/A	Lead Officer role: N/A	

Step 1: What do we want to do?

The purpose of this Environmental Impact Assessment is to help you develop your proposal in a way that is compliant with the council’s policies and supports the council’s strategic objectives under the [One City Climate Strategy](#), the [One City Ecological Emergency Strategy](#) and the latest [Corporate Strategy](#).

This assessment should be started at the beginning of the project proposal process by someone with a good knowledge of the project, the service area that will deliver it, and sufficient influence over the proposal to make changes as needed.

It is good practice to take a team approach to completing the Environmental Impact Assessment. See further [guidance](#) on completing this document. Please email environmental.performance@bristol.gov.uk early for advice and feedback.

1.1 What are the aims and objectives/purpose of this proposal?

Briefly explain the purpose of the proposal and why it is needed. Please use plain English, avoiding jargon and acronyms.

BCC’s wholly owned companies are required to annually refresh their business plans and submit them to the Council for approval. This proposal relates to the Bristol Waste business plan for 2024/2025 – 26/27.

1.2 Will the proposal have an environmental impact?

Could the proposal have either a positive or negative effects for the environment now or in the future? If ‘No’ explain why you are sure there will be no environmental impact, then skip steps 2-3 and request review by sending this form to environmental.performance@bristol.gov.uk

If ‘Yes’ complete the rest of this assessment.

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	[please select]
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Bristol Waste visits every home to collect its waste, cleans every street, and aims to be at the centre of Bristol’s drive towards carbon net zero, helping to deliver the council’s sustainability targets. During the time period of this business plan Bristol Waste Company will start the tendering process for their new fleet, with an intention to move to the most sustainable option available, being also mindful of the financial implications and constraints. Also, during this time period the Company may also need to move out of its main depot, Albert Road. This again presents an opportunity to create fit for purpose depot/s that supports the Company’s ambitions to be net zero.
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1.3 If the proposal is part of an options appraisal, has the environmental impact of each option been assessed and included in the recommendation-making process?

If ‘Yes’ please ensure that the details of the environmental impacts of each option are made clear in the pros and cons section of the [project management options appraisal document](#).

Yes
 No
 Not applicable
 [please select]

If 'No' explain why environmental impacts have not been considered as part of the options appraisal process.

N/A

Step 2: What kinds of environmental impacts might the project have?

Analysis of impacts must be rigorous. Please demonstrate your analysis of any impacts of the proposal in this section, referring to evidence you have gathered. See detailed [guidance documents](#) for advice on identifying potential impacts.

Does the proposal create any benefits for the environment, or have any adverse impacts?

Outline any potential benefits of the proposal and how they can be maximised. Identify how the proposal will support our corporate environmental objectives and the wider [One City Climate and Ecological Emergency strategies](#).

Consider how the proposal creates environmental impacts in the following categories, both now and in the future.

Reasonable efforts should be made to quantify stated benefit or adverse impacts wherever possible.

Where the proposal is likely to have a beneficial impact, consider what actions would enhance those impacts. Where the proposal is likely to have a harmful impact, consider whether actions would mitigate these impacts.

Enhancements or mitigation actions are only required when there is a likely impact identified. Remember that where enhancements or mitigation actions are listed, they should be assigned to staff and appropriately resourced.

GENERAL COMMENTS (highlight any potential issues that might impact all or many categories)

The significant eco impacts of this proposal are:

- use of collection vehicles
- installation of new equipment (for example a new baler at Avonmouth)

<p>ENV1 Carbon neutral: Emissions of climate changing gases</p> <p>BCC has committed to achieving net zero emissions for its direct activities by 2025, and to support the city in achieving net zero by 2030.</p> <p>Will the proposal involve transport, or the use of energy in buildings? Will the proposal involve the purchase of goods or services? If the answer is yes to either of these questions, there will be a carbon impact.</p>	<p>Benefits</p>	<p>BWC are working towards local and national recycling targets - a 50% reuse, recycling and composting rate across Bristol by 2025 and 65% by 2035. By helping the city to recycle more and waste less, BWC are contributing to reducing the impact of Bristol's waste. Moving waste up the waste hierarchy, keeping things in use and preventing them becoming waste in the first place all contribute to reducing the carbon impact of waste disposal.</p> <p>Investment in campaigns and engagement activities to support behaviour change that increase recycling and reduce waste will minimise the carbon impact of the city's waste.</p> <p>Pursuing BWC's desire to move to a 100% electric vehicle fleet, and working with BCC to explore this, will provide significant reductions in their scope 1 emissions.</p> <p>The relocation of Albert Road (transfer station, main offices, fleet workshop, vehicle base etc) provides an opportunity to deliver a net zero facility with the highest level of environmental sustainability principles.</p>
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<p>Consider the scale and timeframe of the impact, particularly if the proposal will lead to ongoing emissions beyond the 2025 and 2030 target dates.</p> <p>Further guidance</p> <p><input type="checkbox"/> No impact</p>		<p>Exploring the BWC 'Village' approach will create localised service centres which reduce vehicle movements across the city and in turn reduce the carbon impact of running services.</p>
	Enhancing actions	<p>As a locally based company BWC vehicle movements are reduced due to less movements into/out of Bristol.</p> <p>Improvements in driving standards (a current focus area) will promote more efficient driving practices, reducing fuel consumption.</p>
	<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>	
	Adverse impacts	<p>Running of the service (collection vehicles, equipment and sites) will generate climate changing gases.</p> <p>Construction work at Avonmouth and the relocation of Albert Road will have an impact on the environment.</p>
	Mitigating actions	<p>BWC will engage with the Bristol City Leap project to explore the potential for sustainable power generation from waste.</p> <p>Mitigating measures for any site relocation and associated construction project would be agreed as part of the planning process.</p> <p>Other specific mitigation for the construction agreed with the Sustainable City Team at the planning stage.</p> <p>Reporting and monitoring will assist with Citywide and Council ambitions around Climate Neutrality and help organisations make decisions to help.</p> <p>BWC will map Scope 1, 2 and 3 carbon usage to understand the route to net zero</p> <p>Installation of 90KWP solar PV panels at Avonmouth will provide renewable energy to meet some of the energy demand at the site, reducing the use of fossil fuel derived energy.</p> <p>All lighting for new development at Avonmouth site is energy efficient, reducing our scope 2 emissions.</p> <p>For the Avonmouth site redevelopment work demolition material from the previous plant is being used as hardcore, preventing the need to use raw materials. The piles used in the foundation were pre-cast driven piles to eliminate additional waste being generated which would increase landfill.</p>
<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>		

<p>ENV2 Ecological recovery: Wildlife and habitats BCC has committed to 30% of its land being managed for nature and to halve its use of pesticides by 2030.</p> <p>Consider how your proposal can support increased space for nature, reduced use of pesticides, reduce pollution to waterways, and reduce consumption of products that undermine ecosystems around the world.</p> <p>If your proposal will directly lead to a reduction in habitat within Bristol, then consider how your proposed mitigation can lead to a biodiversity net gain. Be sure to refer to quantifiable changes wherever possible.</p> <p>Further guidance <input type="checkbox"/> No impact</p>	<p>Benefits</p> <p>BWC's refuse, recycling and street cleansing crews collect waste and recycling from every home and keep the City's streets clean, preventing waste and recycling polluting the waterways.</p> <p>The Albert Road relocation gives us the opportunity to create a fit for purpose site which is carbon neutral and also provides space for species and habitat endemic to the area.</p> <p>The Avonmouth and Hartcliffe Way Household Reuse and Recycling Centres both have planting plans in place. These increase the space for nature at the sites. The plans include tree planting and a bug hotel.</p> <p>The Avonmouth redevelopment includes an attenuation tank which provides a sustainable drainage system for surface and rain water at the site. It will enable the slow release of water to prevent flooding and protect the surrounding habitat.</p>	
	<p>Enhancing actions</p> <p>BWC provide litter picking kits to community groups, local businesses and other interested parties. The kits are used to remove litter from local areas, preventing these items from polluting waterways and green spaces.</p>	
	<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>	
	<p>Adverse impacts</p> <p>The Albert Road relocation has the potential to disrupt habitats in the new location.</p> <p>BWC use the herbicide Gallup Bio Amenity to manage weeds across the city. Weeds are treated twice a year.</p>	
	<p>Mitigating actions</p> <p>Mitigating measures for any site relocation and associated construction project would be agreed as part of the planning process.</p> <p>Investment in campaigns and engagement activities to support behaviour change that increases recycling and reduces waste will also minimise the impact of litter on the city's wildlife and wildlife habitats.</p> <p>BWC use a herbicide that is legal for use in public spaces, is aquatic safe and pet friendly to minimise the impact on wildlife and habitats. BWC to work with the Strategic Client and Sustainability Team around the use of pesticides to consider reducing the level used and develop a new approach to the removal of weeds.</p> <p>BWC's health, safety and environment key priorities protect the environment and ensure they are complying with environmental regulations. BWC sites have the required environmental permits and discharge consents.</p>	
<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>		

<p>ENV3 A cleaner, low-waste city: Consumption of resources and generation of waste</p> <p>Consider what resources will be used as a result of the proposal, how they can be minimised or swapped for less impactful ones, where they will be sourced from, and what will happen to any waste generated</p> <p>Further guidance</p> <p><input type="checkbox"/> No impact</p>	<p>Benefits</p> <p>For 24/25 we have a renewed focus on expanding BWC's reuse and IT reuse operations will increase the number of items that are moved up the waste hierarchy to reuse, which is environmentally preferable to recycling and disposal.</p> <p>BWC is improving its waste sorting capabilities - this will increase the quality and quantity of the recycle.</p> <p>BWC are working towards local and national recycling targets - a 50% reuse, recycling and composting rate across Bristol by 2025 and 65% by 2035.</p> <p>In 2022-23 1.5% of municipal waste was sent to landfill. BWC are committed to reducing the amount of waste sent to landfill.</p>	
	<p>Enhancing actions</p> <p>Developing volunteer opportunities in the reuse shops can assist people back into employment and provide an opportunity for people to develop green skills.</p> <p>Expanding our reuse operations provides the opportunity to change consumer habits and raise aware about reuse.</p> <p>BWC will work at a strategic level with other city organisations to advise them on their waste strategies, ensuring the cities resources are managed responsibly, minimising waste and increasing reuse, repair and recycling.</p>	
	<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>	
	<p>Adverse impacts</p> <p>Development at Avonmouth requires the use of raw materials and will generate construction waste.</p> <p>Decisions about how waste will be collected, sorted and treated will have an impact.</p>	
	<p>Mitigating actions</p> <p>Mitigation for the construction agreed with the Sustainable City Team at planning stage.</p> <p>Achieving KPIs relating to increased recycling and reuse rates (% of municipal waste diverted from landfill and % of household waste that is reused, recycled or composted).</p> <p>For the Avonmouth site redevelopment work demolition material from the previous plant is being used as hardcore, preventing the need to use raw materials. The piles used in the foundation were pre-cast driven piles to eliminate additional waste being generated which would increase landfill. Concrete and stone deliveries were sourced locally. Stone is recycled stone where appropriate.</p>	
<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years</p>		

<p>ENV4 Climate resilience: Bristol's resilience to the effects of climate change</p> <p>Bristol's climate is already changing, and increasingly frequent instances of extreme weather will become more likely over time.</p> <p>Consider how the proposal will perform during periods of extreme weather (particularly heat and flooding).</p> <p>Consider if the proposal will reduce or increase risk to people and assets during extreme weather events.</p> <p>Further guidance</p> <p><input checked="" type="checkbox"/> No impact</p>	<p>Benefits</p> <p>BWC activities will neither reduce or increase risk to people and assets during extreme weather events</p>	
	<p>Enhancing actions</p> <p>During planning process for relocation of Albert Road Depot use resources such as 'Keep Bristol Cool' heat map to assess likelihood of overheating and flood risk through the Environment Agency flood risk map.</p>	
	<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years</p>	
	<p>Adverse impacts</p>	
	<p>Mitigating actions</p>	
<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years</p>		
<p>Statutory duty: Prevention of Pollution to air, water, or land</p> <p>Consider how the proposal will change the likelihood of pollution occurring to air, water, or land and what steps will be taken to prevent pollution occurring.</p> <p>Further guidance</p> <p><input type="checkbox"/> No impact</p>	<p>Benefits</p> <p>BWC's refuse, recycling and street cleansing crews collect waste and recycling from every home and keep the City's streets clean. In doing so they capture materials and prevent them polluting the city.</p> <p>BWC's health, safety and environment key priorities protect the environment and ensure they are complying with environmental regulations.</p> <p>Pursuing a desire to move to a 100% electric vehicle fleet, and working with BCC to explore this, will reduce air pollution and help improve air quality.</p>	
	<p>Enhancing actions</p>	
	<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years</p>	
	<p>Adverse impacts</p> <p>There will inevitably be some localised pollution and scheme specific impacts on habitats from construction.</p>	
	<p>Mitigating actions</p> <p>Specific mitigation for the construction will be agreed with the Sustainable City Team at the planning stage.</p>	
<p>Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years</p>		

Step 3: Action Plan

Use this section summarise and assign responsibility for any actions you have identified to improve data, enhance beneficial, or mitigate negative impacts. Actions identified in section two can be grouped together if named responsibility is under the same person.

This action plan should be updated at each stage of the project. Please be aware that the Sustainable City and Climate Change Service may use this action plan as an audit checklist during the project's implementation or operation.

Enhancing / mitigating action required	Responsible Officer	Timescale
Fleet Replacement – Work closely with BCC colleagues on fleet replacement specifications	Strategic Client and SCCCS	By end of business plan period
Relocation of Albert Road Depot – Work closely with BCC colleagues and City Leap colleagues on planning specifications on new depot. (Other specific mitigation for the construction agreed with the Sustainable City Team at the planning stage.)	Strategic Client and SCCCS	By end of business plan period
Reporting and monitoring will assist with Citywide and Council ambitions and strategic planning around Climate Neutrality – Establish a climate neutrality reporting framework in partnership with the Client team and Sustainability Team.	Strategic Client	By end of business plan period

Step 4: Review

The Sustainable City and Climate Change Service need at least five working days to comment and feedback on your impact assessment. Assessments should only be marked as reviewed when they provide sufficient information for decision-makers on the environmental impact of the proposal.

Please seek feedback and review by emailing environmental.performance@bristol.gov.uk before final submission of your decision pathway documentation¹.

Where impacts identified in this assessment are deemed significant, they will be summarised here by the Sustainable City and Climate Change Service and must be included in the 'evidence base' section of the decision pathway cover sheet.

Summary of significant beneficial impacts and opportunities to support the Climate, Ecological and Corporate Strategies (ENV1,2,3,4):
Summary of significant adverse impacts and how they can be mitigated:

Environmental Performance Team Reviewer: Nicola Hares – Environmental Performance Officer	Submitting author: Tim O’Gara – Director: Legal and Democratic Services
Date: 20/02/2024	Date: 21.02.2024

¹ Review by the Sustainable City and Climate Change Service confirms there is sufficient analysis for decision makers to consider the likely environmental impacts at this stage. This is not an endorsement or approval of the proposal.