



Environmental Impact Assessment [version 1.0]

Proposal title: Keep Bristol Cool Framework		
Project stage and type: <input type="checkbox"/> Initial Idea Mandate <input type="checkbox"/> Outline Business Case <input checked="" 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 checked="" type="checkbox"/> New <input type="checkbox"/> Already exists / review	<input type="checkbox"/> Changing
Directorate: Growth and Regeneration	Lead Officer name: Kathy Derrick	
Service Area: Sustainable City & Climate Change	Lead Officer role: Sustainable City Team Manager	

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 contact the [Sustainable City and Climate Change Service](#) 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.

The Framework provides a strategic approach to tackling increasing overheating in the city from hotter, drier summers. Action is proposed in four key areas – emergency planning, future proofing city regeneration, overheating in homes and using blue/green infrastructure to mitigate the heat island effect of the city.

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 the [Sustainable City and Climate Change Service](#).

If 'Yes' complete the rest of this assessment.

Yes No [please select]

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.

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.

2.1 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)			
<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>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>	Benefits	If implemented, the framework will result in more trees and vegetation planted removing carbon dioxide from the atmosphere.	
	Enhancing actions		
	Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years		
	Adverse impacts	It is likely that works to implement the framework will generate some emissions.	
	Mitigating actions	An emissions minimisation plan will be implemented before any works are undertaken where appropriate.	
Persistence of effects: <input type="checkbox"/> 1 year or less <input checked="" type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years			

<p>ENV2 Ecological recovery: Wildlife and habitats</p> <p>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</p> <p><input type="checkbox"/> No impact</p>	<p>Benefits</p>	<p>If implemented, this strategic plan would:</p> <ul style="list-style-type: none"> • Support invertebrates by providing more green spaces with soil habitats. • Support wildlife by providing more vegetation as shelter and food for pollinators. • Support wildlife by providing more places to drink. • Support wildlife by providing more trees as habitats for birds. • Support active lifestyles by providing more trees to provide shade to walk or rest under.
	<p>Enhancing actions</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>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>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>Benefits</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>It is likely the works to implement the framework will result in the use of resources and the production of waste.</p>
	<p>Mitigating actions</p>	<p>A resource and waste plan will be implemented before any works are undertaken where appropriate.</p>

<input type="checkbox"/> No impact	Persistence of effects: <input type="checkbox"/> 1 year or less <input checked="" type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years	
<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> <input type="checkbox"/> No impact	<p style="text-align: center;">Benefits</p>	<p>This strategic framework provides leadership in the form of an evidence-based and co-ordinated approach to adapting and building resilience to hotter, drier summers. If implemented, this framework would:</p> <p>Protecting vulnerable people and the public during heatwaves with:</p> <ul style="list-style-type: none"> • Severe weather plan • Warning and informing • Impacts monitoring • Cool spaces network • Heatwave preparedness <p>Future proofing growth and city regeneration through:</p> <ul style="list-style-type: none"> • Local Plan • Regeneration frameworks • Local Infrastructure • Infrastructure providers • Visions of the future <p>Tackling overheating risk in people’s homes by working with:</p> <ul style="list-style-type: none"> • Care settings • Retrofitting homes • New homes • Housing sector • Awareness raising <p>Using blue-green infrastructure for cooling streets and public spaces with:</p> <ul style="list-style-type: none"> • Cool corridors network • Major public spaces • Nature based solutions • Community resilience • Citizen science. <p>It is likely that works to increase the amount of vegetation will slow stormwater runoff and reduce the risk of flooding in the city.</p>
	<p style="text-align: center;">Enhancing actions</p>	
	Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years	
	<p style="text-align: center;">Adverse impacts</p>	

	Mitigating actions		
Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years			
<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>	Benefits	<p>If implemented, this strategic plan would:</p> <ul style="list-style-type: none"> • Provide more vegetation to trap airborne particulates and polluting gases through deposition on leaves. • Reduce diffuse pollution from tyre dust washing into watercourses by installing sustainable urban drainage systems (SuDS). 	
	Enhancing actions		
	Persistence of effects: <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years		
	Adverse impacts	It is likely that works to implement the framework will cause some air pollution and may result in unplanned pollution.	
	Mitigating actions	A pollution prevention, mitigation and remediation plan will be implemented before any works are undertaken.	
Persistence of effects: <input type="checkbox"/> 1 year or less <input checked="" type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years			

Step 3: Actions

3.1 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
The following will be a condition of joining the framework: Before any works begin, the following plans will be produced and implemented: Emissions minimisation plan Resources and waste plan Pollution prevention, mitigation and remediation plan.	Ben Smallwood	

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 from the [Sustainable City and Climate Change Service](#) before final submission of your decision pathway documentation¹.

Where impacts identified in this assessment are deemed significant, they will be summarised here and included on the cover sheet of the decision pathway documentation.

Summary of significant beneficial impacts and opportunities to support the Climate, Ecological and Corporate Strategies (ENV1,2,3,4):

This strategic framework provides leadership in the form of a co-ordinated approach to adapting and building resilience to hotter, drier summers. If implemented, the framework would:

- Protect vulnerable people and the public during heatwaves with planning, preparedness, communication and more cool spaces.
- Future proof growth and city regeneration through forward planning.
- Reduce the risk of overheating in people's homes by working with third parties and raising awareness.
- Developing blue-green infrastructure for cooling streets and public spaces by working with communities.

This will in turn result in:

- More trees and vegetation removing carbon dioxide from the atmosphere, provide habitat, shelter and food for insects, pollinators and birds, shade during hot weather, trap pollutants through deposition, slow runoff and reduce flood risk.
- More green spaces and more soil habitat for invertebrates, more places to support wellbeing and cooler outdoor spaces.
- More soft SuDS spaces, providing wildlife with more places to drink and cleaning more pollution.

Adopting this document is not significant. If used well once adopted, it could lead to these significant benefits.

Summary of significant adverse impacts and how they can be mitigated:

It is likely that works to implement the framework will generate some emissions and pollution, use resources and produce waste. **Not significant.**

Environmental Performance Team Reviewer: Giles Liddell, Project Manager - Environmental	Submitting author: Kathy Derrick, Sustainable City Team Manager
Date: 11/08/2023	Date: 11/08/2023

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.